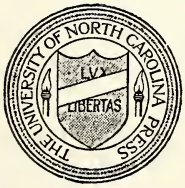
FEBRUARY 10, 1938 NUMBER 324

THE UNIVERSITY OF NORTH CAROLINA RECORD



CATALOGUE OF THE DIVISION OF PUBLIC HEALTH

OF THE

SCHOOL OF MEDICINE

1937-1938

Announcements for the Spring Term 1938 and the Session of 1938-1939

DIVISION OF PUBLIC HEALTH SERIES No. 4

THE UNIVERSITY OF NORTH CAROLINA PRESS

ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER. ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT CHAPEL HILL, N. C. UNDER THE ACT OF AUGUST 24, 1912

CALENDAR FOR 1938

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CALENDAR FOR 1939

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THE DIVISION OF PUBLIC HEALTH

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ROBERT BURTON HOUSE, A.M., *Dean of Administration*
WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D., *Dean of School of Medicine*
CARL V. REYNOLDS, M.D., *State Health Officer, North Carolina State Board of Health*
MARK V. ZIEGLER, A.B., M.D., *Senior Surgeon, U.S. Public Health Service; Regional Consultant, Interstate Sanitary District No. 2, United States Public Health Service*
MILTON JOSEPH ROSENAU, A.M., M.D., *Director*
RUBY ROSS, *Secretary*

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HAROLD WILLIAM BROWN, A.B., M.S., Sc.D., M.D., Dr.P.H.
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HAROLD BENEDICT GOTAAS, B.S. in C.E., M.S. in C.E., S.M. in San. Eng'g., *Assistant Professor of Sanitary Science.*
CARL V. REYNOLDS, M.D., *State Health Officer, N. C. State Board of Health*
**ALBERT JOHN SHELDON, B.A., M.A., Sc.D., *Instructor in Public Health*

*The Dean of Administration, the Registrar, and the Dean of Students are ex officio members of each Administrative Board.
**Appointment effective September 1, 1938.

LECTURERS

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WARREN H. BOOKER, C.E., *Director, Division of Sanitary Engineering, N. C. State Board of Health*

GEORGE M. COOPER, M.D., *Director, Division of Preventive Medicine, and Assistant State Health Officer, N. C. State Board of Health.*

ERNEST A. BRANCH, D.D.S., *Director, Division of Oral Hygiene, N. C. State Board of Health*

LESLIE C. FRANK, B.S., C.E., *Senior Sanitary Engineer, Sanitary Engineer in Charge, Milk Investigations, U. S. Public Health Service*

LOUIS L. WILLIAMS, JR., M.D., *Senior Surgeon, Medical Officer in Charge, Malaria Investigations, U. S. Public Health Service*

JESSE H. EPPERSON, B.S., F.A.P.H.A., *Superintendent of Health, Durham City and County Health Department, Durham,N.C.*

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ROBERT T. STIMPSON, A.B., M.D., C.P.H., *Director of Bureau of Vital Statistics, N. C. State Board of Health*

WILLIAM P. RICHARDSON, M.D., M.P.H., *District Health Officer and Instructor in Public Health for Social Workers*

ROY NORTON, A.B., M.D., M.P.H., *Assistant Director, Division of Preventive Medicine, N. C. State Board of Health*

WILLIAM MAURICE COPPRIDGE, M.D., *Chief of Urological Staff, Watts Hospital, Durham, N. C., Venereal Diseases*

ERIC MILTON MATSNER, M.D., *Executive Secretary, National Medical Council on Birth Control*

WALTER REECE BERRYHILL, A.B., M.D., *University Physician and Associate Professor of Medicine*

JANE D. GAVIN, B.S., R.N., *Supervisor Public Health Nursing Division, Durham City-County Health Department, Durham, N. C., and Supervisor Rural and Urban Training for Public Health Nursing Students*

GENERAL STATEMENT

The University of North Carolina, under the guidance of Dr. Charles S. Mangum, Dean of the School of Medicine, in 1935 offered courses of study in Public Health Administration in order that immediate and practical needs of trained personnel in this State and region might be adequately met. This service was made possible through the coördination of the facilities and the staffs of the Schools of Medicine and Engineering of the University and the North Carolina State Board of Health, the three agencies of the State which are concerned immediately with the problems of public health.

In 1936 a Division of Public Health was established and a Director appointed. The University of North Carolina, at Chapel Hill, has been designated and approved by the United States Public Health Service as the center for the training of health officers for the Interstate Sanitary District No. 2, extending from Delaware to Florida, to carry out the provisions of the Social Security Act for the training of public health personnel. A Field Demonstration Unit has been established in the Orange-Person-Chatham District Health Unit in coöperation with the City-County Health Department of the adjoining County of Durham for the purpose of giving trainees practical experience in rural and urban health administration.

The object of the Division of Public Health at present is to offer comparatively short courses best adapted to equip personnel for the special responsibilities of health work, such as Public Health Administration, Epidemiology, Vital Statistics, Sanitary Engineering, Public Health Laboratory Methods, Child Hygiene, etc. The curriculum covers a period of twelve weeks and includes intramural instruction, laboratory exercises, health surveys, and field work. Following this a month with the field demonstration unit is required for North Carolina trainees. Each state will establish its own field unit and requirements for practical experience.

The students in the Division of Public Health are enrolled in the University of North Carolina and enjoy all the rights and privileges of the general student body. They may take courses in other departments of the University, provided they are properly qualified and have the approval of the administration.

Students in the Division of Public Health have the privilege of coöperation with the State and local Health administration and the field demonstration unit of the county.

The Division of Public Health during the past year conducted a special short course designed better to qualify dentists now with the Division of Oral Hygiene of the North Carolina State Board of Health to teach mouth health in the public schools.

MEDICAL ATTENTION

In order to provide proper attention for the student during sickness the University employs three full time physicians and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, and with a modern X-ray unit and laboratory for diagnostic purposes under the direction of a full time technician. It is under the immediate supervision of the University Physician, and is provided with three experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

RECREATION

The University gymnasium and five large athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

LIBRARIES

In addition to the specialized departmental and school libraries, the general university library, containing over 350,000 volumes, offers its opportunities to members of all divisions of the institution. Current periodicals are available in the reading room of the Division of Public Health.

LOCATION

Chapel Hill is located thirty miles west of Raleigh, the capital of the State, and the headquarters of the State Board of Health. The University of North Carolina is in the beautiful Piedmont section of hills and forests, and entered from every point by paved roads. There is convenient bus service several times each day from Greensboro, Raleigh, and Durham. It is in an environment of natural beauty and simple culture, age, and traditions.

REQUIREMENTS FOR ADMISSION

Each student is required to file a statement concerning his educational history and degrees. Those who do not have a medical degree or a degree in engineering must furnish an official transcript of college credits.

I. For public health workers with medical degrees:
A medical degree from a recognized Medical School. It is advisable to have some experience in public health work.

II. For public health workers without medical degrees:
a. For sanitary engineers a degree in engineering from an accepted university or technical school.
b. For sanitarians, a bachelor's degree from a recognized institution of learning, including credits in at least two of the following sciences: chemistry, physics, biology.
c. For sanitary officers, credits of college grade in at least two of the following sciences: chemistry, physics, biology.

III. Special Students. Practical experience may be accepted by the University in lieu of college courses, each case to be arranged with the Director.

ACADEMIC AWARDS

Those who comply with the entrance requirements under I and II above and who receive an average grade of C or better in an approved curriculum will be entitled to a document which states the completion of an approved course of studies, specifies the time of attendance, and designates whether the curriculum was designed to prepare for the work of health officer, sanitary engineer, sanitarian, or sanitary officer. The award is signed by the President of the University, the Secretary of the State Board of Health, the Dean of the School of Medicine, and the Director of the Division of Public Health.

Special students may be granted the above if they complete an approved curriculum, achieve the honor roll, and satisfy all other requirements. Otherwise they are entitled to a letter of attendance stating their grades.

Grades are based upon the following system of marking:

Grade A, Excellent
Grade B, Good
Grade C, Fair
Grade D, Barely passed
Grade E, Conditioned
Grade F. Failed
Grade I, Work incomplete

The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

FEES AND EXPENSES

The fees, including tuition and registration, are $100 for health officer trainees for the three months' period, and $75.00 for personnel desiring training in sanitary engineering or in the sanitary sciences. The fees charged for students admitted from outside Sanitary District No. 2 are $200.00 for the course for health officers, and $150.00 for the course in sanitary engineering or in the sanitary sciences. All fees are payable in advance.

MICROSCOPES

Each student is requested to bring a microscope.

DORMITORY ACCOMMODATIONS

Subject to prior reservation, limited dormitory accommodations are available in the University dormitories, room rent ranging from $5.50 to $15.00 a month for each occupant, price depending upon location of the room. This includes light, heat, and service. All rooms in the dormitory are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets and towels. Requests for dormitory reservations should be addressed to The Cashier, The University of North Carolina, Chapel Hill, N. C., at earliest possible date.

Rooms in private homes may be obtained at a cost of from $15.00 to $20.00 a month.

It is important that students confer with the Secretary in the office of the Division of Public Health before making any arrangements for living accommodations.

BOARD

The University Dining Hall Cafeteria is under new and expert management. Food of excellent quality and variety is served at such prices as will only meet necessary expenses.

Board may be had in private boarding places, cafeterias, coffee shops, and cafes at from $22.50 a month to $35.00 a month.

The University operates a well equipped laundry which takes care of the students' washing and ironing at moderate cost.

SCHOLARSHIPS

Scholarships, including an allowance for expenses, have been allotted to the District of Columbia, Delaware, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida and other states, under the Social Security Act. Application for these scholarships should be made to the State Health Officer of the State in which the applicant resides.

REGISTRATION

For the present two courses of three months each will be offered during each calendar year, one in the fall and one in the spring.

Students who are accepted for the spring term 1938 will register in the office of the Secretary of the Division of Public Health on Tuesday, March 8, 1938, between the hours of 9 a. m. and 5 p. m.

Students who are accepted for the fall term 1938 will register in the office of the Secretary of the Division of Public Health Tuesday, September 20, 1938, between the hours of 9 a. m. and 5 p. m.

Students who are accepted for the spring term 1939 will register in the office of the Secretary of the Division of Public Health on Tuesday, March 7, 1939, between the hours of 9 a. m. and 5 p. m.

EXAMINATIONS

The regular examinations in the Division of Public Health are held during the final week of each training period.

THE PUBLIC HEALTH CURRICULA

Courses and curricula are arranged for 1) Health officers, 2) Sanitary engineers, 3) Sanitarians and sanitary officers. Special curricula to fit aptitudes and experience are arranged to suit individual needs.

COURSES OF INSTRUCTION

101. PUBLIC HEALTH ADMINISTRATION.

Lectures: The theory of public health administration is developed by a study of the administrative methods actually employed in various governmental units including the federal government, states, municipalities, and counties. Certain phases of public health administration are covered by special lecturers who are invited from time to time to cover those particular fields upon which they can speak with authority.

Some time is given to proper procedures in the administrative control of the more important communicable diseases such as tuberculosis, venereal diseases, diphtheria, pneumonia, measles, whooping cough, meningitis, typhoid fever, intestinal parasites, rabies, and malaria.

Each student is required to make a comprehensive public health survey of some city or town according to an outline supplied him.

Each student compiles his own text book during the course, using a loose leaf system. The notes on the lectures are supplemented by pamphlets, reprints, forms, and references to specific phases of the work, so that at the end of the course the student has the nucleus for a public health reference library which can be enlarged from year to year.

Three lecture hours each week. Professor Brown and special lecturers.

111. THE PRINCIPLES OF SANITATION.

A general survey course, consisting of lectures, demonstrations, laboratory exercises, and field visits, designed to meet the needs of students preparing to engage in public health activities. The following subjects receive attention: (1) Historical and epidemiological background of sanitation; (2) Sanitary surveys; (3) Rural sanitation; (4) Water supply, purification, and distribution; (5) Sewerage, sewage treatment, and stream sanitation; (6) Laboratory analysis of water, sewage, and industrial wastes; (7) Malaria control; (8) Illumination; (9) Plumbing; (10) Food Sanitation; (11) Milk Sanitation; (12) Shellfish Sanitation; (13) Garbage and refuse collection and disposal; (14) Sanitation of schools, camps, and bathing places; (15) Heating, ventilation, and air conditioning.

This course includes several field trips relating to these subjects.

Three lecture and four laboratory hours each week. Professors Baity, Gotaas.

112. SANITARY ENGINEERING.

A course in sanitary and public health engineering for students holding engineering degrees. It includes studies of the design and operation of water supply and sewerage systems, water and sewage treatment plants, industrial waste disposal, rural sanitation, drainage, malaria control, hydrology, etc. Parallel laboratory exercises comprise problems in the layout and design of sanitary engineering works and in the laboratory techniques employed in their operation and control.

Three lecture and four laboratory hours each week. Professors Baity, Gotaas.

121. EPIDEMIOLOGY.

Lectures and demonstrations covering the epidemiology of important type diseases, such as smallpox, typhoid fever, para-typhoid fever and dysentery, diphtheria, scarlet fever, measles, whooping cough, influenza and pneumonia, tuberculosis, malaria, typhus, Rocky Mountain spotted fever, pellagra, venereal diseases, plague, brucellosis, etc. The laws of epidemics, modes of infection, water- and milk-borne diseases, seasonal prevalence, illustrative epidemics. Management of an epidemic campaign and general course covering the more important facts on which scientific and sound public health administration is based.

Practical field work in this course is done under the direction of the North Carolina State Board of Health in the Orange-Person-Chatham

District and Durham City-County Health Departments. Immediate supervision of field work is under the guidance of Doctors Richardson and Epperson.

Five lecture hours each week. Professor Rosenau.

122. COMMMUNICABLE DISEASES.

Lectures, discussions, and practical laboratory work on the common communicable diseases. Emphasis is placed upon the clinical picture, immunological reactions, laboratory diagnosis, and the modes of transmission. The laboratory work consists of the identification and study of the various organisms responsible for disease, including filterable viruses, rickettsiae, bacteria, spirochetes, malaria, and the various helminth parasites of man. The various anthropod vectors of human disease are also studied in the laboratory. For sanitary engineers, sanitarians, and sanitary officers.

Two lectures and two laboratory hours each week. Professor Brown and Dr. Sheldon.

141. VITAL STATISTICS.

The lectures outline methods of vital registration, the participation of local health departments in recording births and deaths, and the value of these records when properly used. Methods are presented for collecting, tabulating, adjusting, and drawing sound conclusions from statistical data regarding human life. Methods of graphic presentation of statistical data are studied, with special emphasis on their use by the county health officer. The calculations include population estimations, rate and ratios, and simple correlation. Laboratory work furnishes the student an opportunity to apply the principles covered by the lectures.

One lecture and two laboratory hours each week. Professor Brown.

151. PUBLIC HEALTH LABORATORY METHODS.

Lectures, discussions, and practical laboratory work in the diagnosis of diseases of public health importance, such as scarlet fever, diphtheria, tuberculosis, whooping cough, pneumonia, typhoid fever, baccilary and amoebic dysentery, brucellosis, gonorrhoea, syphilis, rabies, malaria, and hook worm. Insect vectors are examined, and simple classification of mosquitoes attempted. The preparation, standardization, and use of biological products is discussed, and the student performs Schick, Dick, Widal, Wassermann, and Kahn tests. Emphasis is placed on proper taking of specimens, principles involved in diagnosis, and interpretation of results.

One lecture and six laboratory hours each week. Professor MacPherson.

PUBLIC HEALTH SURVEYS AND SANITARY EXCURSIONS

Several field trips are made, especially in the courses dealing with sanitary engineering, public health administration, and epidemiology. Students will be accompanied by instructors.

MISCELLANEOUS

Instruction is also given in public speaking, mental hygiene, heredity, sex hygiene, mental deficiency, etc.

FIELD INSTRUCTION FOR NORTH CAROLINA TRAINEES

An additional month will be devoted to actual field work for all North Carolina trainees, under the direction of the North Caro-

lina State Board of Health, in the Orange-Person-Chatham Health District and the Durham City-County Health Departments. The immediate supervision of this work is under the guidance of Drs. W. P. Richardson and J. H. Epperson.

Other State Boards of Health have perfected arrangements for giving their trainees such instruction within the confines of their respective states.

DIVISION OF PUBLIC HEALTH
THE UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL

Fall Term, 1937

SCHEDULE FOR HEALTH OFFICERS
SEPTEMBER 20, 1937

Health Officers

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:30 to 9:30	San. 111 Phil. 319	P.H. Admn. 101 Phil. 319	San. 111 Phil. 319	P.H. Admn. 101 Phil. 319	San. 111 Phil. 319	
9:30 to 10:30			Special	Special	P.H. Lab. Meth. 151-Lecture Bact. Lab.	Conferences or Continuation of P.H. Laboratory
ASSEMBLY PERIOD						
11:00 to 12:00	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	
12:00 to 1:00		Special Lect. M.S.L.R.		Special Lecture M.S.L.R.	P.H. Lab. Meth. 151-Laboratory Bact. Lab.	
2:00 to 3:00	San. 111 Phil. 319	Vital Stat. 141 Phil. 319		Special	P.H. Lab. Meth. 151-Laboratory Bact. Lab.	
3:00 to 4:00	San. 111 Phil. 319	Vital Stat. 141 San. Lab.		Special	P.H. Lab. Meth. 151-Laboratory Bact. Lab.	
4:00 to 5:00	San. 111 Phil. 319	Vital Stat. 141 San. Lab.		Special	P.H. Lab. Meth. 151-Laboratory Bact. Lab.	

NOTE: When necessary, special lectures may be shifted to Wednesday or Thursday afternoons.
Abbreviations: M.S.L.R. —Medical School Lecture Room
Phil. 319 —Phillips Hall 319
San. Lab. —Sanitary Laboratory—Phillips Hall
Bact. Lab.—Bacteriology Laboratory—Medical Building

DIVISION OF PUBLIC HEALTH
THE UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL

Fall Term, 1937

SCHEDULE FOR SANITARY ENGINEERS
SEPTEMBER 20, 1937

Sanitary Engineers

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:30 to 9:30	San. 111 Phil. 319	P.H. Admn. 101 Phil. 319	San. 111 Phil. 319	P.H. Admn. 101 Phil. 319	San. 111 Phil. 319	
9:30 to 10:30	Elem. Comm. Diseases 122 Phil. 210	San. Eng'g. 112 Phil. 210	Elem. Comm. Diseases 122 Phil. 210	San. Eng'g. 112 Phil. 210	P.H. Lab. Meth. 151-Lecture Bact. Lab.	
ASSEMBLY PERIOD						
11:00 to 12:00	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	
12:00 to 1:00		Special Lect. M.S.L.R.	San. Eng'g. 112 Phil. 210	Special Lecture M.S.L.R.		
2:00 to 3:00	San. 111 Phil. 319	Vital Stat. 141 Phil. 319	Elem. Bact. San. Lab.		San. Eng'g. 112 San. Lab.	
3:00 to 4:00	San. 111 Phil. 319	Vital Stat. 141 San. Lab.	Elem. Bact. San. Lab.		San. Eng'g. 112 San. Lab.	
4:00 to 5:00	San. 111 Phil. 319	Vital Stat. 141 San. Lab.	Elem. Bact. San. Lab.		San. Eng'g. 112 San. Lab.	

NOTE: When necessary, special lectures may be shifted to Wednesday or Thursday afternoons.

Abbreviations: M.S.L.R. —Medical School Lecture Room
Phil. 319 —Phillips Hall 319
San. Lab. —Sanitary Laboratory—Phillips Hall
Bact. Lab.—Bacteriology Laboratory—Medical Building

Fall Term, 1937

SCHEDULE FOR SANITARIANS AND SANITARY OFFICERS
SEPTEMBER 20, 1937

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:30 to 9:30	San. 111 Phil. 319	P.H. Admn. 101 Phil. 319	San. 111 Phil. 319	P.H. Admn. 101 Phil. 319	San. 111 Phil. 319	
9:30 to 10:30	Elem. Comm. Diseases 122 Phil. 210		Elem. Comm. Diseases 122 Phil. 210		P.H. Lab. Meth. 151 Bact. Lab.	
ASSEMBLY PERIOD						
11:00 to 12:00	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	Epidem. 121 M.S.L.R.	
12:00 to 1:00		Special Lect. M.S.L.R.		Special Lecture M.S.L.R.		
2:00 to 3:00	San. 111 Phil. 319	Vital Stat. 141 Phil. 319	Elem. Bact. San. Lab.	San. Laboratory San. Lab.		
3:00 to 4:00	San. 111 Phil. 319		Elem. Bact. San. Lab.	San. Laboratory San. Lab.		
4:00 to 5:00	San. 111 Phil. 319		Elem. Bact. San. Lab.	San. Laboratory San. Lab.		

NOTE: When necessary, special lectures may be shifted to Wednesday or Thursday afternoons.

Abbreviations: M.S.L.R. —Medical School Lecture Room
Phil. 319 —Phillips Hall 319
San. Lab. —Sanitary Laboratory—Phillips Hall
Bact. Lab.—Bacteriology Laboratory—Medical Building

FEBRUARY 15, 1938 NUMBER 325

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

ANNOUNCEMENT OF THE

SUMMER SESSION

AT CHAPEL HILL, N. C.

1938

First Term: June 13th-July 23rd
Second Term: July 25th-August 31st

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1938

First Term: June 13th-July 23rd
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CALENDAR

First Term

June 13, *Monday*—Registration Day. (Extra fee for late registration after today.)

June 14, *Tuesday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

June 16, *Thursday*—Those registering today or Friday will be required to pay an extra fee of $5.00 for late registration.

June 17, *Friday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

July 22-23, *Friday and Saturday*—Examinations.

Second Term

July 25, *Monday*—Registration of new students. (Extra fee for late registration after today.)

July 26, *Tuesday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

July 28, *Thursday*—Those registering today—or Friday—will be required to pay an extra fee of $5.00 for late registration.

July 29, *Friday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

July 30, *Saturday*—Regular classes in all departments. Masters' theses may not be submitted after this date.

August 6, *Saturday*—Written examinations for the Master's degree may not be taken after this date.

August 13, *Saturday*—Regular classes in all departments.

August 27, *Saturday*—Regular classes in all departments.

August 29, *Monday*—Class instruction ends at 6:00 P. M.

August 30-31, *Tuesday and Wednesday*—Final examinations.

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OFFICERS OF ADMINISTRATION

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CHARLES THOMAS WOOLLEN, *Controller*
ROBERT BURTON HOUSE, A.M., *Dean of Administration and Director of the Summer Session*
LIVINGSTON BERTRAM ROGERSON, C.P.A., *Assistant Controller*
THOMAS JAMES WILSON, JR., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty*
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ALFRED GUY IVEY, *Director of Graham Memorial*

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WILLIAM WHATLEY PIERSON, Ph.D., *Dean of the Graduate School*
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DUDLEY DEWITT CARROLL, M.A., *Dean of the School of Commerce*
SUSAN GREY AKERS, Ph.D., *Director of the School of Library Science*
CORYDON PERRY SPRUILL, JR., A.B., B.Litt.(Oxon.), *Dean of the General College*

GENERAL STATEMENT

The Summer Session of the University of North Carolina at Chapel Hill is administered in exactly the same manner as the regular session of the University, except that the summer quarter is divided into two terms of six weeks each. All matters concerning courses of study, credits, and academic organizations are handled through the department heads and deans exactly as in the regular session. The Dean of Administration of the University is general director of the Summer Session under the President in the same manner that he is general director under the President of the regular year of the University.

The Division of Teacher Training, which has all of the advantages and responsibilities of a School of Education plus the coöperative support of all the regular departments of the University, has been established to assume the major task of directing the preparation of teachers for the public schools. This Division is composed of all members of the Education faculty and one member from each department or division of the University. The functions of this organization are as follows: to develop and apply a technique of student selection for teacher training, to formulate and approve appropriate courses of study, to give personal guidance to students during their period of training, and to continue guidance through a comprehensive placement service. Under this plan the entire University becomes a part of the Teacher Training program.

The work at Chapel Hill is coördinated as far as possible with the work at the North Carolina State College in Raleigh and at the Woman's College in Greensboro. Attention is called to the announcements of the summer sessions at these units of the University of North Carolina which appear as the concluding pages of this catalogue.

* * * * * * * *

Every effort will be made to carry out the program described in this bulletin. Since the catalogue is issued early in the year for the convenience of prospective summer students, it may be found necessary to make a few substitutions in courses and personnel. Any material changes will be announced as they occur.

STAFF OF INSTRUCTION

Members of the University's Regular Staff

JOSEPH EDISON ADAMS, PH.D. — BOTANY
Assistant Professor of Botany — First Term

RAYMOND WILLIAM ADAMS, PH.D. — ENGLISH
Associate Professor of English — First Term

SUSAN GREY AKERS, PH.D. — LIBRARY SCIENCE
Professor of Library Science and Director of the School of Library Science — Second Term

ENGLISH BAGBY, PH.D. — PSYCHOLOGY
Professor of Psychology — First Term

JAMES OSLER BAILEY, PH.D. — ENGLISH
Assistant Professor of English — Second Term

ABRAM GUSTAVUS BAYROFF, PH.D. — PSYCHOLOGY
Assistant Professor of Psychology — First Term

GLADYS ANGEL BEARD, M.A. — PHYSICAL EDUCATION
Director of Physical Education for Women — First Term

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Professor of Greek — First Term

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Professor of Economics — First Term

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Professor of English — First Term

RALPH WALTON BOST, PH.D. — CHEMISTRY
Professor of Chemistry — First Term

FRANCIS FOSTER BRADSHAW, PH.D. — EDUCATION
Professor of Philosophy — First Term

MILLARD BRECKENRIDGE, PH.B., LL.B. — LAW
Professor of Law — Second Term

LEE MARSHALL BROOKS, PH.D. — SOCIOLOGY
Associate Professor of Sociology — First Term

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Professor of Public Welfare Administration and Director of the Division of Public Welfare and Social Work — Both Terms

EDWARD TANKARD BROWNE, PH.D. — MATHEMATICS
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Professor of Ancient History — Second Term

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Assistant Professor of Mathematics — Second Term

DUDLEY DE WITT CARROLL, M.A. — ECONOMICS
Professor of Economics and Dean of the School of Commerce — First Term

ISABELLE KIRKLAND CARTER, M.S.S. — PUBLIC WELFARE
Associate Professor of Social Work — Both Terms

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Professor of Botany — First Term

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Professor of Botany — Second Term

RUPERT BAYLESS VANCE, PH.D. — SOCIOLOGY
Research Professor in the Institute for Research in Social Science — First Term

HERBERT VON BECKERATH, D.EC. — ECONOMICS
Visiting Professor of Social and Economic Theory — First Term

PAUL WOODFORD WAGER, PH.D. — RURAL SOCIAL-ECONOMICS
Associate Professor of Rural Social-Economics — Second Term

HENRY McGILBERT WAGSTAFF, PH.D. — HISTORY AND POLITICAL SCIENCE
Professor of History — Second Term

WILLIAM ROWE WEAVER, PH.D. — SPANISH
Instructor in Spanish — First Term

ROBERT JAMES WHERRY, PH.D. — PSYCHOLOGY
Assistant Professor of Psychology — Both Terms

ROGERS DEY WHICHARD, A.B. — FRENCH
Instructor in French — Second Term

WILLIAM LESTER WILSON, A.M. — ENGLISH
Instructor in English — First Term

REX SHELTON WINSLOW, PH.D. — ECONOMICS
Assistant Professor of Economics — Second Term

HARRY DEMERLE WOLF, PH.D. — ECONOMICS
Professor of Economics — Second Term

EDWARD JAMES WOODHOUSE, B.A., LL.B. — POLITICAL SCIENCE
Professor of Political Science — First Term

JOHN BROOKS WOOSLEY, PH.D. — ECONOMICS
Professor of Economics — Second Term

Visiting Instructors

HAROLD V. BAKER, M.A., — EDUCATION
Principal of the Daniel Webster Elementary School, New Rochelle, New York — Second Term

WALTER H. BLOCH, M.M. — MUSIC
Supervisor of Instrumental Music, Flint Public Schools, Flint, Michigan — First Term

WILFRID HARDY CALLCOTT, PH.D. — HISTORY
Professor of History, The University of South Carolina — Second Term

ARTHUR WILBUR CLEVENGER, A.M. — EDUCATION
High School Visitor, The University of Illinois — First Term

JAMES WORKMAN CULBERTSON, A.M. — ZOÖLOGY
Instructor in Anatomy, The University of Virginia — Second Term

EDMOND CYKLER, PH.D. — MUSIC
Head of the Department of Music, Los Angeles Junior College — Second Term

ALDACE FITZWATER, B.S. — PHYSICAL EDUCATION
Professor of Physical Education, State Teachers College, Livingston, Alabama — Second Term

WILLARD J. GRAHAM — LAW
Professor of Law, The University of Chicago — Second Term

PRESTON MAYNE HARRIS, PH.D. — CHEMISTRY
Professor of Chemistry, Ohio State University — Second Term

HERBERT RICHARD HAZELMAN, A.B. — MUSIC
Supervisor of Instrumental Music, Greensboro, N. C., Public Schools — First Term

FRIEDA M. HELLER, M.S. — LIBRARY SCIENCE
Assistant Professor of Library Science, Ohio State University — Both Terms

ROBERT C. HOCKETT, PH.D. — CHEMISTRY
Professor of Chemistry, Massachusetts Institute of Technology — Second Term

BEATRICE HOWARD HOLT, A.M. in L.S. — LIBRARY SCIENCE
Assistant Professor, School of Librarianship, The University of Denver — First Term

LEMUEL RAY JOHNSTON, PH.D. — EDUCATION
Principal of The Clifford J. Scott High School, East Orange, New Jersey — Second Term

MURIEL S. JORDAN, CERT. LIB. SCI. — LIBRARY SCIENCE
Children's Librarian, Public Library, Durham, N. C. — First Term

ROBERT ADGER LAW, PH.D. — ENGLISH
Professor of English, The University of Texas — First Term

GUY R. LYLE, M.S. — LIBRARY SCIENCE
Librarian, The Woman's College of the University of North Carolina — Both Terms

ROGER PHILIP McCUTCHEON, PH.D. — ENGLISH
Professor of English, Tulane University — Second Term

JOSEPHINE MACLATCHY, PH.D. — EDUCATION
Research Associate, Bureau of Educational Research, Ohio State University — First Term

FRANKLIN HOLBROOK McNUTT, PH.D. — EDUCATION
Director of Higher Education and Certification, State Department of Education, Columbus, Ohio — First Term

ELIZABETH WILSON MITCHELL — MUSIC
Instrumental Teacher, Durham, N. C., Public Schools — First Term

J. HARRIS MITCHELL — MUSIC
Instrumental Supervisor, Durham, N. C., Public Schools — First Term

CATHERINE J. PIERCE, A.B., M.S. — LIBRARY SCIENCE
Reference Librarian, Swarthmore College Library — Second Term

ALBIN PIKUTIS, A.B. — MUSIC
Director of Orchestra and Instructor in Violin, Durham, N. C., Public Schools — First Term

JOSHUA PAUL REYNOLDS, PH.D. — ZOÖLOGY
Assistant Professor of Biology, Birmingham Southern College — First Term

COLBERT SEARLES, PH.D. — FRENCH
Professor of Romance Languages, The University of Minnesota — Second Term

HARRY SHULMAN, S.J.D. — LAW
Professor of Law, Yale University — First Term

ROBERT M. SKELTON, A.M. — ART
Instructor in Art, The Woman's College of the University of North Carolina — First Term

HERMAN EVERETTE SPIVEY, PH.D. — ENGLISH
Assistant Professor of English, The University of Florida — Second Term

EDSON R. SUNDERLAND, A.M., LL.B., LL.D. — LAW
Professor of Law, The University of Michigan — First Term

RAYMOND LEECH TAYLOR, SC.D. — ZOÖLOGY
Associate Professor of Biology, College of William and Mary — Second Term

JOHN A. TIEDEMAN, PH.D. — PHYSICS
Assistant Professor of Physics, The Woman's College of the University of North Carolina — First Term

WILLIAM POWELL TWADDELL — MUSIC
Director of Music, Durham, N. C., Public Schools — First Term

J. BERNARD WILLIAMSON, A.B. — MUSIC
Student at Curtis Institute, Philadelphia — First Term

PART I—GENERAL INFORMATION

The Summer Session: June 13-August 31

The University Summer Session at Chapel Hill will open on Monday, June 13, 1938, and continue for twelve weeks, closing on Wednesday, August 31. The session will be divided into two terms of six weeks each. The first term will begin on Monday, June 13, and close on Saturday, July 23. The second term will begin on Monday, July 25, and close on Wednesday, August 31.

Registration

Registration in person for the first term of the Summer Session will be held on Monday, June 13, and in the second term on Monday, July 25. All students who have not completed their registration in advance should be present and register on that day, as regular class work in all departments will begin promptly at 8:00 on Tuesday morning.

Registration for credit in the first term will not be permitted, except by executive permission, after 5:00 p.m. Friday, June 17, nor in the second term after 5:00 p.m. Friday, July 29. An extra fee is charged for delayed registration. *See Calendar.*

Admission. Women students are admitted to all classes of the University Summer Session on the same basis as men. This means that the following groups are eligible: (a) Graduates of standard high schools, (b) College students from any institution, (c) Teachers holding regular State certificates, (d) Graduate students, (e) Special mature students not applicants for degrees.

Students who meet the above requirements for admission are not required to make formal application for admission to the Summer Session in advance of registration. Advanced students who are not seeking degree credit at the University of North Carolina are not required to submit transcripts of their previous work.

Divisions of the Summer Session. The College Division (undergraduates), the Graduate School, and the Schools of Law, Pharmacy, and Library Science.

Credits. Three courses meeting five or six hours a week constitute a student's normal load in the summer session. A

student in the Undergraduate Division may carry four courses, provided he has the approval of the Dean of the School in which he is registered. All courses carry degree credit in one or more divisions of the University. The Summer Session course meeting five or six hours a week for six weeks carries a credit of 2½ or 3 quarter hours respectively or 1⅔ or 2 semester hours respectively. (For certificate credit in North Carolina each such course carries credit for two semester hours; one meeting ten or twelve hours a week, four semester hours). A course meeting ten or twelve hours a week for six weeks carries double credit.

Attendance. Absences are counted from the first meeting of each course. No unexcused absences are permitted in the Summer Session.

Standard of Work

The standard of work in courses given for University credit will be in all respects that of the corresponding courses given during the regular session, as these courses are an integral part of the work of the University. It is the hope of the University that, by giving such courses, increased service may be rendered to the growing body of teachers in the state who have already completed college courses or done some work of college grade and who now desire while in service to improve themselves along both professional and cultural lines.

Courses of freshman and sophomore grade will not be credited as graduate work. Courses of junior and senior grade if numbered above 100 in the statement of courses (see Part II of this announcement), may be given such credit as is indicated in the regulations below. Definite information about the different credit that certain courses carry can be obtained at the time of registration.

Term Reports, Grades, and Professional Credits

Regular examinations will be held at the close of each term, and a report of his standing in all studies will be sent to each student. Records of those students desiring professional credits with the State Department of Education will be sent to that department immediately after the close of each term, *provided record cards, furnished for this purpose, have been carefully filled out by such students and left in charge of the Recorder.*

The reports are based upon the following system of marking:

Grade A, Excellent
Grade B, Good
Grade C, Fair
Grade D, Barely passed
Grade F, Failed
*Grade I, Work incomplete

A student must attain a grade of D to pass in any study. Students receiving grade F must repeat the study to receive any credit for the same.

Grades for each graduate course completed are reported to the Dean and to the Recorder. These grades are as follows:

"Passed," which represents satisfactory work.

"Failed," which represents work that is unsatisfactory for graduate credit.

No work falling below the standard represented by the grade of "Passed" is counted for graduate credit. If, in the judgment of the Graduate School, the quality of the work done by any student falls below the standard expected of graduate students, the registration of such a student will be canceled.

Degrees: When Conferred

Degrees are conferred at the annual commencement in June and at the close of the second term of the Summer Session. Degrees conferred at the close of the Summer Session are awarded without academic ceremony.

**Admission to Undergraduate Courses

Applicants for admission to courses of freshman grade must satisfy the requirements for entrance as laid down in the University catalogue. These requirements comprise a total of 15 units selected from the subjects of English, foreign languages (ancient and modern), history, mathematics, science, and vocational subjects. For details the applicant is referred to the University catalogue.

Applicants for courses of advanced grade must furnish evidence of work of college grade completed at this or another

* The grade I indicates a deficiency in a certain portion of the work of a course. It may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes grade F. In the Summer Session the grade E is not used.

** The following statements apply only to those who plan to be candidates for degrees in this institution.

institution.* Such evidence must consist of the official statement from the institution where the work was done, showing definitely the courses pursued and the amount of credit recorded. Admission to specific courses will be determined in each case by the department on the basis of previous preparation.

Application for admission to undergraduate courses should be sent in advance to the Dean of Admissions. This application should be accompanied by a certificate of preparation, or official statements from other institutions that the applicant has attended, and a list of the courses the applicant desires to pursue. Blanks for this purpose will be furnished on request.

Requirements for Degrees

The minimum course requirement for a Bachelor's degree, stated in quarter hours, is 192 quarter hours, including six hours in Physical Education. For the S.B. degree in the scientific departments there are specific requirements which must be met even if the total number of hours exceeds the minimum.

The minimum residence requirement is one academic year of three consecutive quarters within a period of twelve months. *An exception to this requirement is made in the case of teachers who cannot attend the regular session. Such students can meet the minimum residence requirement by attendance in whole summer sessions. This concession extends only through the summer session of 1939.*

In the first two years the general requirements can be stated as consisting of two years of English, with courses meeting three hours a week; two years of social science, meeting three hours a week; two years of a foreign language above the required two units for entrance, meeting three hours à week; two years of natural science, meeting four hours a week; one year of mathematics, meeting three hours a week, *or* one year of Latin or Greek above the two units for entrance, meeting three hours a week; and one year of an elective subject chosen from the field of the student's major interest, meeting three hours a week.

In the Junior and Senior years the student is supposed to give about one-third of his time to his major subject, one-third to allied subjects, and one-third to electives outside the

* Advanced students not seeking credit in this institution are not required to submit transcripts of their former records.

Division of the major. A comprehensive examination is given in the major subject when the student is prepared to take it. The specifications for the various majors may be found in the General Catalogue of the University. Special programs of study at variance with the prescriptions of any major may be submitted for approval to the Division concerned.

A grade of "C" or better is necessary in half the total number of hours required for a degree.

Slight variations from the regular program of study are made in the case of students in Music, Art, and the S. B. degrees, including the S. B. in Commerce.

The Graduate School

The Summer Session offers excellent opportunities for carrying on advanced work in many fields of learning. Graduates of standard colleges are admitted to the Graduate School during the summer term on precisely the same basis as in the regular session. Such students may become candidates for advanced degrees or may register as special students in such courses as they desire.

Students who wish to pursue in the Summer Session courses leading to the Master's degree should bring with them when they register a transcript of their college credits. In case the student has not had sufficient training to enable him to pursue strictly graduate courses, provision may be made in the Summer Session for the making up of such deficiency.

The Graduate School and the Departments have instituted a plan of curricular reorganization. Courses will be offered in cycles, following a sequence of three years. This plan, it is thought, will facilitate securing by the student logical and evenly balanced programs of study.

No student may receive credit during any one Summer Session for more than three courses in the Graduate School.

1. *Admission.* Holders of degrees from standard colleges are admitted without examination upon presentation of their credentials. *It will save time at registration if these credentials are submitted in advance of the opening of the Summer Session.*

Admission to the Graduate School is not the same as admission to candidacy for a higher degree. For admission to candidacy for a degree a student must have been in residence

in the Graduate School for one quarter or two summer terms. Action on each case is postponed until the student has progressed sufficiently to make possible the planning of his course. This does not imply any increase in the length of time necessary for the attainment of the degree; it means simply that the individual record of each student, undergraduate as well as graduate, is taken into account in determining what must be done in order to secure the degree.

2. *Regulations as to Courses.* While graduate students may register for any of the courses offered by the Summer Session Faculty, no courses will count for credit towards an advanced degree unless they are classified as graduate courses in this bulletin or in the Catalogue of the Graduate School. These courses must be selected in accordance with the rules for major and minor subjects set forth in the Catalogue of the Graduate School. In general, this means that two-thirds of a candidate's work during his entire period of residence (three summers being the usual time required) must be from one department, the remaining one-third being from a closely allied minor department.

3. *Requirements for the Master's degree.* For a detailed statement of the requirements for the degrees of Master of Arts and Master of Science, the student is referred to the catalogue of the Graduate School. These rules are the same in their application to Summer Session students as in the case of students registered for the regular sessions. Students may continue their studies during the year under the direction of the special committee in charge of their work, and may do part of the work required for their theses in this manner. In certain approved cases, also, credit not to exceed six semester hours (or nine quarter hours) may be transferred for work done in another university. Every such case is treated individually and must be approved by the Administrative Board of the Graduate School, on recommendation of the department of major study, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find three full summer quarters necessary for the completion of the requirements for the Master's degree.

Work taken more than six years before the date at which the Master's degree is expected may not be used to count for credit toward that degree.

A reading knowledge of at least one modern foreign language is required of candidates for the master's degree. This knowledge will be tested by a special examination given by the language department, and must be certified to before the student is admitted to candidacy for the degree.

The thesis must be written in accordance with provisions stated in the Graduate Catalogue. It may count not to exceed one course. This thesis may be handed in, and the final oral and written examinations may be taken by special arrangement during the year. (See scheduled dates on the calendar.) The Master's degree is conferred at Commencement in June and at the end of the second term of the Summer Session.

4. *Requirements for the Doctor's Degree.* Prospective candidates for the degree of Doctor of Philosophy are referred to the Catalogue of the Graduate School for a detailed statement of the requirements for the degree. For purposes of convenience a summary of these requirements is presented here:

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. A major covering adequately the field of major interest and at least twenty semester hours (or thirty quarter hours) in a minor.
5. A preliminary oral examination.
6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

5. *Further Information.* All students who propose to do work leading to an advanced degree should read carefully the catalogue of the Graduate School, which will be sent on application to the Dean of the Graduate School.

Schedule

In the Summer Session schedule the day is divided into periods as follows:

MORNING HOURS

First Period	8:00 to 9:00
Second Period	9:00 to 10:00
Third Period	10:00 to 11:00
Fourth Period	11:00 to 12:00
Fifth Period	12:00 to 1:00

AFTERNOON HOURS

First Period	2:00 to 3:00
Second Period	3:00 to 4:00
Third Period	4:00 to 5:00
Fourth Period	5:00 to 6:00

Hours and places for the meetings of classes in most cases are shown in the descriptions of the various courses in this catalogue.

Placement Bureau

It will be the purpose of the Department of Education to maintain a highly professional placement service for the benefit of teachers and school officials. While the Bureau cannot guarantee placement, it will strive to become a means of bringing the teacher and employment official together. The officials of the Bureau desire to establish a record for prompt, honest, and constructive service, and to that end will strive to give personal attention to all requests. Every effort will be made to avoid general recommendations.

The Library

The University Library has occupied its new building since July, 1929. It now contains more than 350,000 volumes and 3,461 periodicals are regularly received. The building houses, aside from the general collection and reading rooms, the Rural Social-Economics Library, Commerce Reading Room, and the Library School. A special room is devoted to North Carolina history. A separate room is provided for the use of students doing collateral reading in material reserved for their convenience by University instructors. One hundred study carrels are provided with the bookstacks for graduate students and faculty, to which assignment is made on application.

Graham Memorial

The Graham Memorial Building, University Student Union, serves as a social and activity center for the campus community. The lounges, social rooms, and games equipment of the building will be open to Summer Session students for social and recreational purposes.

The Infirmary

During the Summer Session the University Infirmary will be open for the convenience of the students in attendance. The Infirmary will be under the direction of the University Physicians and a Registered Nurse, who with an assistant will be constantly in attendance. There will be no extra charge for such services as may be rendered by the physicians or the

nurse, but should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon) recommended by the attending physician, be necessary, the student will be required to pay for such services. The Summer Session Physicians will be at the Infirmary two periods a day for consultation and advice. At these hours students of the Summer Session will be given the opportunity to consult the physician about any matters pertaining to their health.

Housing and Rooming Bureau

The "Y" office keeps accurate information on available houses, apartments, and rooms for rent in Chapel Hill. Summer students and faculty are invited to make use of this service.

The Gymnasium and Swimming Pool

The facilities of the new gymnasium will be available to regular summer session students at all times. Locker room service, hand ball courts, boxing and wrestling rooms, badminton, squash, and volley ball courts will be open for use on regular schedule.

Recreational swimming periods will be scheduled at convenient hours. (See PART II, p. 63.)

Expenses for Each Term of Six Weeks

Fees

The registration fee for each student for each term of six weeks (including privilege of University Library, Infirmary, Gymnasium, and Graham Memorial) is $15.00. The course fee for each quarter-hour credit a term (six weeks) is $2.25. The normal load carried by each student in each term is 7½ quarter hours, which would make course fees total $16.88; but programs of study may vary according to the desires and needs of individual students. A laundry deposit of $6.00 is required against which a charge is made for work done. If the amount of work done is less than the deposit, the balance is refunded, except that a minimum average charge of twenty-five cents a week will be made.

The major University fees for each term may be estimated as follows:

Registration fee	$15.00
Course fees (7½ quarter hours)	16.88
	$31.88

Laboratory fees in those courses requiring laboratory work are stated in the course descriptions and must be paid in addition to the usual course fee charge.

Rooms

The following University Residence Halls have been set aside for summer usage. The amount shown is the charge for each occupant for a term of six weeks.

Women:				
Spencer Hall	Single	$22.50	Double	$15.00
New Woman's Building	Single	30.00	Double	15.00
Old East, Old West, Steele	Single	15.00	Double	7.50
Men:				
Graduate Club	Single	22.50	Double	15.00
Carr	Double	15.00	Triple	12.75
Battle-Vance-Pettigrew, Lewis	Single	15.00	Double	7.50
Married Couples:				
Graham			Each room	15.00

(Not more than two persons may reside in one room without special permission. If children reside in same room with parents, an additional charge will be made.)

If the residence halls listed above are not sufficient to take care of all applicants, the University will open other residence halls so that all applicants may be accommodated.

The New Woman's Building was completed during the past year and is an exceptionally well equipped college residence hall. In addition to well furnished rooms, the building has a large social room, a lounge, and several small parlors. Even a small laundry and kitchenette are provided on each floor for the use and convenience of the occupants. This new building will be used for undergraduate and graduate women.

Spencer Hall has been improved by the addition of a social room and laundry on the fourth floor. This building is the center of activity for undergraduate women and has been reserved exclusively for undergraduate women this summer.

All residence halls have recently been painted and floors refinished. Bath rooms have been renovated and additional mirrors and lavatories have been installed. All rooms are screened.

Board

The University Dining Hall Cafeteria is well equipped, attractive, and cool. It has a modern two-line counter which is so arranged and serviced that unnecessary delay is avoided. The average price of breakfast is 15¢ and the average price of lunch and dinner is around 25¢. A special combination lunch consisting of one meat, two vegetables, bread and butter, a salad or dessert, and a drink (including sweet milk) is served for 25¢. A large variety of food is always available. Meal ticket books are sold for $5.00, and one book will usually last the average person a week.

The Carolina Inn, which is operated by the University, has a small cafeteria which offers excellent food at commercial rates.

Spencer Hall will furnish board to its occupants for $35.00 a term. Residents of the Hall are required to board in the Hall and a limited number of additional guests may be accommodated. Preference will be given residents (both undergraduate and graduate) of the New Woman's Building, which is situated near Spencer.

Reservations Must Be Made in Advance

Students desiring rooms in the University buildings must have their reservations made in advance, or the management cannot guarantee them accommodations. Each application must be accompanied by a check covering room rent in full for one term of six weeks. Applications should be addressed to the Cashier, Box 150, Chapel Hill, N. C., and should be made prior to June 1st, in order that applicants may be notified before leaving home whether or not their reservations have been made as requested.

Payment of Fees

Registration, course fees, and laundry deposit are due and payable at the time of registration.

Books and Materials

Books, materials, and stationery supplies may be secured from the University Book Exchange at the usual market prices. All books required for courses offered in the Summer Session are carried in stock by the Book Exchange.

Regulations Concerning Women Students

All women students of the Summer Session under 24 years of age, except residents of the Chapel Hill community who live at home, are required to live in the University residence halls.

Each of the women's residence halls will be in charge of a capable hostess who will see that the University's regulations regarding the health, comfort, and safety of the students are carried out, and who will always be ready to give the women students such advice and assistance as they may need.

What the Student Must Furnish

Residence hall rooms are substantially furnished. Each occupant is requested to bring a pillow, two pillow cases, four sheets (for single bed), 2 spreads, and six towels. More complete furnishings such as bureau scarfs, rugs, curtains, pictures, etc., may be brought if the student so desires.

Refund of Fees

Room reservation deposit for the first term may be refunded not later than June 1, and for the second term not later than July 12.

In case of withdrawal from the Summer Session, a flat fee of $5.00 will be charged to cover registration expense, and the remainder of the amount paid by the student at registration will be refunded on a pro-rata basis over a period of four weeks from date of registration. No refund will be made after the fourth week of any term. Refund of any unused part of laundry deposit will be made.

Location of the University

The University is situated at Chapel Hill, twelve miles from Durham, thirty miles from Raleigh, and fifty miles from Greensboro. It may be reached by one of the bus lines which maintain frequent schedules from these three points. *Students are warned not to buy their tickets to the University Station, which is ten miles or more from the University, inasmuch as passenger service from that point has been discontinued.*

Loan Funds

The Summer Session Loan Fund. A limited sum of money is set aside for: teachers who are legal residents of North Carolina and who teach in the public schools of this state; and, students who are enrolled in the regular sessions of the University and whose educational programs make it necessary for them to attend the summer sessions. Information concerning this fund may be secured by writing the Loan Fund Manager, Box 150, Chapel Hill, N. C.

PART II—COURSES OFFERED

ARCHAEOLOGY

Courses for Undergraduates

s91a. GENERAL ARCHAEOLOGY. Credit, 2½ quarter hours.
Second term. Professor Harland. Hour: 10:00 daily. Murphey 111.
An introductory course in which the art and architecture of Egypt and Mesopotamia will be studied. Illustrated lectures on the monuments will be supplemented by lectures on the history and civilization of the Egyptians, Sumarians, Babylonians, Assyrians, Persians, Hittites, and Aegean peoples. Discussions and required readings.

s92a. GREEK ARCHAEOLOGY (OR ART). Credit, 2½ quarter hours.
Second term. Professor Harland. Hour: 9:00 daily. Murphey 111.
The historical development of the Art of Greece will be studied and presented as one phase of the civilization of the ancient Greeks. In a sense, the course will be an archaeological commentary on Greek history.

Course for Advanced Undergraduates and Graduates

s185. ARCHAEOLOGY AND THE BIBLE. Credit, 2½ quarter hours.
Second term. Professor Harland. Hour: 12:00 daily. Murphey 101.
The results of the recent excavations in Palestine will be studied for the light they throw on Biblical history and, with the help of the monuments found in Egypt, Babylonia, and Assyria, the part played by the ancient Hebrews will be placed in its historical setting in the ancient Near East.

ART

s47. MATERIALS AND METHODS OF TEACHING ART IN ELEMENTARY SCHOOLS. Credit, 2½ quarter hours.
First term. Professor Skelton. Laboratory fee, $2.00. Hours: Lectures, 11:00 MWF, Laboratory, 2:00-5:00 T., Th. Person Hall.
This course is designed for elementary school teachers with reference to their needs in drawing, painting, and sculpture. It will consist of lectures and studio work.

s48. MATERIALS AND METHODS OF TEACHING PRACTICAL AND INDUSTRIAL ARTS. Credit, 2½ quarter hours.
First term. Professor Skelton. Laboratory fee, $2.00. Hours: Lectures, 12:00 MWF, Laboratory, 2:00-5:00 W., F. Person Hall.
This course is designed for elementary school teachers and will include the study of the arts in relation to advertising, illustration, interior decoration, textiles, and jewelry.

BIOLOGICAL CHEMISTRY

The School of Medicine will offer during the second term of the Summer Session a special course in Chemistry of Foods carrying full academic and professional credit. A fixed fee of $25.00 will be charged

those students enrolling in the course who are not otherwise registered in the regular Summer Session. A course fee of $20.00 will be charged regularly enrolled Summer Session students.

s101. FOOD CHEMISTRY. Credit, 6 quarter hours.

Second term. Mr. Kyker. Hours: 6 lecture hours and 12 laboratory hours per week to be arranged with the instructor. Caldwell Hall. Prerequisite, Chemistry 42, 61.

A course covering the principles of food chemistry and nutrition. The laboratory work will consist chiefly of quantitative methods of food analysis.

BOTANY

Courses for Undergraduates

s41. GENERAL BOTANY. Credit, 6 quarter hours.

First term. Professors Couch and Adams. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 T., Th., F; Laboratory, 3:00-5:00 M., T., W., Th. Davie Hall.

An introduction to the structure, physiology, and classification of plants.

s43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Credit, 6 quarter hours. Prerequisite, General Botany.

Second term. Professor Totten and assistant. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 F.; Laboratory, 2:00-5:00 M., T., W., Th. Davie Hall.

A continuation of General Botany with more advanced work in the structure and classification of seed plants. Special attention is given to the study of local flora.

Courses for Graduates and Advanced Undergraduates

s103. STRUCTURE AND CLASSIFICATION OF THE ALGAE. Credit, 2½ quarter hours. Prerequisite, General Botany.

First term. Professor Couch. Laboratory fee, $2.00. Hours: to be arranged. Davie Hall.

(This subject may be continued under the same number for more than one quarter as the subject advances, credit being given for each repetition).

s114. MORPHOLOGY AND DEVELOPMENT OF THE FUNGI. Credit, 5 quarter hours. Prerequisite, General Botany.

First term. Professor Couch. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

The Phycomycetes, Ascomycetes, and Basidiomycetes will each be given in successive summers. In the summer of 1938 the Basidiomycetes will be offered, in which particular attention will be paid to the rusts and smuts, to the collection and identification of mushrooms and related fungi, and to growth of some of the common forms in pure culture.

s155. DENDROLOGY. Credit, 7½ or 5 quarter hours. Prerequisite, General Botany and Botany s43 or the equivalent.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

A taxonomic study of the woody plants of the southeastern states,

with extensive field work. The woody regions about Chapel Hill, the Arboretum, the Soil Erosion Nursery, the Botanical Library, and the Herbarium afford excellent opportunities for the collection and identification of the woody plants.

s157. PLANT ANATOMY. Credit, 5 quarter hours. Prerequisite, General Botany and Botany s43, or the equivalent.

First term. Professor Adams. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

Introduction to developmental anatomy of vascular plants with some consideration of the phylogenetic aspects of the subject; consideration of and practice in methods of anatomical and cytological microtechnique.

Courses for Graduates

s254. MORPHOLOGY OF SEED PLANTS. Credit, 5 or 2½ quarter hours. Prerequisite, Plant Anatomy.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

Advanced work in embryology and anatomy of seed plants.

s304. GRADUATE RESEARCH. Credit, 5 or 2½ quarter hours.

Each term. Professor Coker, or Totten, or Couch. Laboratory fee, $4.00 a term. Hours: to be arranged. Davie Hall.

Original work with thesis under the guidance of the instructor.

CHEMISTRY

Courses for Undergraduates

s4. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Smith. Laboratory fee, $4.50. Hours: Lectures, 10:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays). Venable 302.

s5. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Harris. Laboratory fee, $4.50, Hours: Lectures, 10:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays). Venable 302.

s31. QUALITATIVE ANALYSIS. Credit, 6 quarter hours. Prerequisite, Chemistry 1-2-3.

First term. Professor Dobbins. Laboratory fee, $10.00 . Hours: Lectures, 2:00 daily. Laboratory, 3:00 to 6:00 daily. Venable 206.

s41. QUANTITATIVE ANALYSIS. GRAVIMETRIC. Credit, 6 quarter hours. Prerequisite, Chemistry 31.

Second term. Professor Markham. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily. Laboratory, 2:00 to 5:00 daily. Venable 206.

s42. QUANTITATIVE ANALYSIS. VOLUMETRIC. Credit, 6 quarter hours. Prerequisite, Chemistry 31.

First term. Professor Smith. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily. Laboratory, 2:00 to 5:00 daily. Venable 206.

s61. ORGANIC CHEMISTRY. ALIPHATIC SERIES. Credit, 6 quarter hours. Prerequisite, Chemistry 31.

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Venable 206.

s62. ORGANIC CHEMISTRY. ALIPHATIC SERIES (continued) AND AROMATIC SERIES. Credit, 6 quarter hours. Prerequisite, Chemistry 61.

Second term. Professor Hockett. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Venable 206.

Courses for Graduates and Advanced Undergraduates

s145. SPECIAL METHODS IN ANALYTICAL CHEMISTRY. Credit, 3 quarter hours. Prerequisite, Chemistry 31 and 42.

Second term. Professor Markham. Laboratory fee, $10.00. Laboratory: 2:00 to 5:00 T., Th.

s166a. ADVANCED TOPICS IN ORGANIC CHEMISTRY. Credit, 3 quarter hours. Prerequisite, Chemistry 61, 62, 63, or an acceptable course in organic chemistry.

First term. Professor Bost. Hours: Lectures, 11:00 daily (in cluding Saturdays). Venable 206.

s167a. ADVANCED TOPICS IN ORGANIC CHEMISTRY. Credit, 3 quarter hours. Prerequisite, Chemistry 61, 62, 63, or an acceptable course in organic chemistry.

Second term. Professor Hockett. Hours: Lectures, 11:00 daily (including Saturdays). Venable 206.

s183. PHYSICAL CHEMISTRY. Credit, 6 quarter hours. Prerequisite, organic chemistry.

First term. Professor Crockford. Laboratory fee, $7.00. Hours: Lectures, 8:00 daily (including Saturdays). Laboratory, 2:00 to 6:00 M.W.F. Venable 201.

Either s181 or s182. PHYSICAL CHEMISTRY. Credit, 6 quarter hours. Prerequisite, organic chemistry.

Second term. Professor Harris. Laboratory fee, $7.00. Hours: Lectures, 8:00 daily. Laboratory, 2:00 to 6:00 M.W.F. Venable 201.

s185. THERMODYNAMICS. Credit, 3 quarter hours. Prerequisite, Chemistry 181, 182, 183, or an acceptable course in physical chemistry.

First term. Professor Crockford. Hours: by arrangement.

Courses for Graduates

s242. SEMINAR IN ANALYTICAL CHEMISTRY. Credit, 3 quarter hours. Prerequisite, Chemistry 31, 42, 143, or acceptable courses in analytical chemistry.

First term. Professor Dobbins. Hours: by arrangement. Venable 201.

s341. RESEARCH IN ANALYTICAL CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Dobbins. Second term: Professor Markham. Laboratory fee, $10.00. Hours: by arrangement.

s351. RESEARCH IN INORGANIC CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Smith. Second term: Professor Harris. Laboratory fee, $10.00. Hours: by arrangement.

s361. RESEARCH IN ORGANIC CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Bost. Second term: Professor Hockett. Laboratory fee, $10.00. Hours: by arrangement.

s381. RESEARCH IN PHYSICAL CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Crockford. Second term: Professor Harris. Laboratory fee, $10.00. Hours: by arrangement.

NOTE: The attention of students in Chemistry is called to the course, Biological Chemistry s101, FOOD CHEMISTRY, which is described on pages 27-28.

DRAMATIC ART

Courses for Undergraduates

s67a. PLAY PRODUCTION FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Professor Davis. Fee for materials: $1.00. Hour: 2:00 daily.

An intensive course for teachers and directors in schools, colleges, and community theatres. The problems to be considered include the organization of dramatic groups and courses, the choice of plays, and the theory and practice of acting and directing. Students enrolled in this course will have an opportunity to take part in the preparation of the Carolina Playmakers' summer production.

s68a. STAGING METHODS FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Professor Davis. Fee for materials: $2.00. Hour: 11:00 daily.

An intensive course in the planning and equipping of school, college, and community theatre stages, and in the designing, constructing, painting, and lighting of scenery. Students enrolled in this course will be expected to assist with the preparation of the Carolina Playmakers' summer production.

Course for Graduates and Advanced Undergraduates

s155. PLAYWRITING. Credit, 5 quarter hours.

First term. Professor Koch. Hours: 9:00 to 11:00 daily.

A practical course in playwriting. The principles underlying dramatic form, and practice in writing one-act plays. Emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. Some of the best of the new plays written in this course will be given experimental production by students in the Summer Session. Students enrolled in this course will have an opportunity to take part in the preparation of the Carolina Playmakers' summer production. Fee for Experimental Production, $2.00.

NOTE: Attention is called to Part III, **Special Features.**

ECONOMICS AND COMMERCE

Commerce

Courses for Undergraduates

s51. BUSINESS ORGANIZATION. Credit, 5 quarter hours.

First term. Professor Schwenning. Hours: 9:00 and 11:00 daily. Bingham 108.

The forms of organization with emphasis on the corporation.

s71. PRINCIPLES OF ACCOUNTING. Credit, 6 quarter hours, if followed by Commerce s72 or 72.

First term. Professor Peacock. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays). Bingham 303.

Lectures with laboratory work. Study of the theory of debit and credit record making, organization of accounts, and presentation of financial and profit and loss statements.

s72. PRINCIPLES OF ACCOUNTING. (Continued.) Credit, 6 quarter hours.

Second term. Professor Sherrill. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays). Bingham 303.

Lectures with laboratory work. It consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, construction and analysis of accounting statements.

Courses for Graduates and Advanced Undergraduates

s173a. PRINCIPLES OF COST ACCOUNTING. Credit, 2½ quarter hours.

First term. Professor Peacock. Hours: to be arranged. Bingham 315.

Methods for collection of data relative to prime costs and a careful analysis of various methods of burden distribution.

s179a. BUDGETARY ACCOUNTING. Credit, 2½ quarter hours.

Second term. Professor Sherrill. Hours: to be arranged. Bingham 313.

A study of budgetary accounting and its application to the various governmental units and the differences between fund accounting and commercial accounting.

Economics

Courses for Undergraduates

s31. GENERAL ECONOMICS. Credit, 5 quarter hours, if followed by Economics s32 or 32.

First term. Professor Evans. Hours: 8:00 and 12:00 daily. Bingham 308.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it.

s32. GENERAL ECONOMICS. (Continued.) Credit, 5 quarter hours.

Second term. Professor Winslow. Hours: 8:00 and 12:00 daily. Bingham 208.

This is a continuation of Economics s31.

s35. ECONOMIC HISTORY. Credit, 5 quarter hours.

First term. Professor Buchanan. Hours: 9:00 and 11:00 daily. Bingham 317.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States.

s81. MONEY. Credit, 5 quarter hours, if followed by Economics s82 or 82.

First term. Professor Bernstein. Hours: 8:00 and 10:00 daily. Bingham 108.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems.

s82. BANKING. Credit, 5 quarter hours.

Second term. Professor Woosley. Hours: 8:00 and 10:00 daily. Bingham 216.

This course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States.

Courses for Graduates and Advanced Undergraduates

s121. RISK AND RISK-BEARING. Credit, 5 quarter hours.

Second term. Professor Lear. Hours: 9:00 and 11:00 daily. Bingham 102.

A study of the risk element in modern industry together with the measures which have been devised to meet it. This course should precede the study of insurance.

s131. ECONOMIC THEORY. Credit, 5 quarter hours.

First term. Professor Spruill. Hours: 9:00 and 11:00 daily. Bingham 102.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems.

s151. TRANSPORTATION. Credit, 5 quarter hours.

Second term. Professor Heath. Hours: 9:00 and 11:00 daily. Bingham 205.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany, and the United States; with some consideration of passenger and freight traffic and rates, and the State's relation to railways.

s165. COMMERCIAL POLICY OF MODERN NATIONS. Credit, 5 quarter hours.

First term. Professor von Beckerath. Hours: 8:00 and 10:00 daily. Bingham 102.

After a general survey of international commercial policy up to the close of the Napoleonic Wars, a more detailed comparative study of the commercial policy of the leading nations during the last hundred years is made. Special attention is given to tariff problems, colonial policies, and to imperialism. The present world resources situation and its probable effect on future commercial policy is appraised.

s170. ECONOMIC STATISTICS. Credit, 5 quarter hours.

First term. Professor Cowden. Laboratory fee, $1.00. Hours: 2:00 to 5:00 daily. Bingham 201.

This course is designed to give a critical understanding of the more important processes of statistical technique used by economists and business men, and found in current discussion of economic matters. The laboratory work is designed to give practice in the use of the processes studied together with an interpretation of the results found.

s191. AN INTRODUCTION TO THE LABOR PROBLEM. Credit, 5 quarter hours.

Second term. Professor Wolf. Hours: 8:00 and 10:00 daily. Bingham 102.

The purpose of this course is to make an analytical survey of the modern labor problem in its major aspects.

s195. THEORIES OF ECONOMIC REFORM. Credit, 5 quarter hours.

First term. Professor Carroll. Hours: 9:00 and 11:00 daily. Bingham 106.

A critical analysis of the leading proposals for reform in the present economic system.

s197. GOVERNMENT AND BUSINESS. Credit, 5 quarter hours.

Second term. Professor Hobbs. Hours: 9:00 and 11:00 daily. Bingham 106.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities, and the operation of the federal anti-trust laws.

Courses for Graduates

s235. ECONOMIC DEVELOPMENTS IN THE OCCIDENT BEFORE 1800. Credit, 2½ quarter hours.

First term. Professor Buchanan. Hours: to be arranged. Bingham 316.

A study of the economic aspects of European life with special emphasis upon the manorial system and its decline, the guild system, the putting out system, the growth of money and credit economy, the Commercial Revolution, and the early stages of the Industrial Revolution.

s238. ECONOMIC DEVELOPMENT OF THE SOUTH. Credit, 2½ quarter hours.

Second term. Professor Heath. Hours: to be arranged. Bingham 204.

A study of the development of economic institutions in the Southern States; attention will be directed especially to the economic problems confronted by the South, to the growth of capital and population, to the introduction of new economic techniques, and to the expansion of business organization.

s281. MONEY, PRICES, AND FOREIGN EXCHANGE. Credit, 2½ quarter hours.

First term. Professor Bernstein. Hours: to be arranged. Bingham 112.

A critical consideration of the various monetary standards, the theories of the value of money, the inter-relationships of exchange rates and prices, recent monetary policies, and proposals for modern

reform. Emphasis is given to monetary history and contemporary experience in considering the validity of monetary theory.

s282. COMMERCIAL AND CENTRAL BANKING. Credit, 2½ quarter hours.

Second term. Professor Woosley. Hours: to be arranged. Bingham 214.

A study of the structure, functions, and operations of commercial and central banks with special reference to the Federal Reserve System. The policies of central banks as they relate to the volume of physical production, the national income, and the price level are critically examined. The theories on which these policies are predicated are analyzed.

s291. LABOR ECONOMICS. Credit, 2½ quarter hours.

Second term. Professor Wolf. Hours: to be arranged. Bingham 111.

An intensive and critical analysis of certain phases of labor problems, among them: current wage theory; the position of the laborer in modern society; wage differentials; the effects of machinery on wages, hours, and work opportunities; the problem of unemployment; the economics of collective bargaining.

s295. CASE STUDIES IN ECONOMIC REFORM. Credit, 2½ quarter hours.

First term. Professor Carroll. Hours: to be arranged. Bingham 114.

Critical studies in current economic reform movements such as the New Deal, Fascism, Bolshevism, etc.

EDUCATION

It has been the purpose of the Summer Session authorities to make provision for the certification requirements for Elementary teachers, High School teachers, and Principals. Attention has been given to the requirements of the State Departments of Education in the Southeastern States in particular.

While it is impossible to answer each individual problem in a general statement, the following suggestions are being made in the hope that they may be of some service in planning a program.

Teachers will find the following courses appropriate for certification credit and very practical in nature:

Elementary Teachers

Public School Music—s51a (Grammar Grade)
s58a (Primary)

Art—s47 and s48

Geography—s74 (See Dept. of Geology and Geography)

Health and Physical Education—s83b, s85a, s161. (See Department of Physical Education)

Children's Literature—s61ab

General Courses—s63a, s71, s105, s152, s154, s155, s156a, s161, s162, s163ab, s171a, s172a, s174ab

High School Teachers

Public School Music—s179a (Instrumental) and s180a (Choral)

Physical Education—s81a, s82a, s83a, s85a, s161, and s181b. (See Department of Physical Education)

Materials and Methods in English, Mathematics, Science, French, History, and Latin.

General Courses—s63a, s98, s105, s163ab, s171b, s172a, s174ab, s199

Principals

The following courses will meet the needs of public school principals: s101, s102, s105, s160, s163ab, s172a, s174ab, s196, s199, s298, s303, and s398.

Elementary or High School teachers and principals needing general elective credit may take any work in subject matter or professional courses below the 200 level in the appropriate field.

Courses for Undergraduates

s47. MATERIALS AND METHODS OF TEACHING ART IN ELEMENTARY SCHOOLS. Credit, 2½ quarter hours. (Same as Art s47.)

First term. Visiting Professor Skelton. Hours: Lectures, 11:00 MWF, Laboratory, 2:00-5:00 T., Th. Laboratory fee, $2.00.

This course is designed for elementary school teachers with reference to their needs in drawing, painting, and sculpture. It will consist of lectures and studio work.

s48. MATERIALS AND METHODS OF TEACHING PRACTICAL AND INDUSTRIAL ARTS. Credit, 2½ quarter hours. (Same as Art s48.)

First term. Visiting Professor Skelton. Hours: Lectures, 12.00 MWF, Laboratory, 2:00-5:00 WF. Laboratory fee, $2.00.

This course is designed for elementary school teachers and will include the study of the arts in relation to advertising, illustration, interior decoration, textiles, and jewelry.

s51a. MATERIALS AND METHODS OF TEACHING PUBLIC SCHOOL MUSIC IN THE GRAMMAR GRADES. Credit, 2½ quarter hours.

First term. Mr. Twaddell. Hour: 2:00 daily.

This course is planned for teachers of grades four to seven. Following the State Course of Study, it will include a survey of rote song materials and a study of the rhythmic and melodic problems presented in the state-adopted texts, together with supplementary material. Music s4 is recommended as a parallel course.

*s55a. CLASS INSTRUCTION IN WOODWIND INSTRUMENTS. Credit, 2½ quarter hours.

First term. Mr. Hazelman. Five class hours a week to be arranged.

*s56a. CLASS INSTRUCTION IN STRINGED INSTRUMENTS. Credit, 2½ quarter hours.

First term. Mr. Bloch. Five class hours a week to be arranged.

*s57a. CLASS INSTRUCTION IN BRASS INSTRUMENTS. Credit, 2½ quarter hours.

First term. Mr. Mitchell. Hour: to be arranged.

s58a. MATERIALS AND METHODS OF TEACHING CREATIVE MUSIC. Credit, 3 quarter hours.

Second term. Mrs. McCall. Hours: 10:00 to 12:00 daily.

This course in teaching music fundamentals to children of all ages, beginning with the pre-school group, will cover such subjects as teaching materials, bibliography, individual and class piano methods, rhythmics, songs, rhythm band, ensemble playing, conducting, and creative work. There will be round-table discussions, individual conferences, and special demonstration classes of children. Free instruction will be available to a limited number of pupils of pre-school age, 4 to 6 years, and older children, 6 to 14 years. Application for admission should be made as early as possible.

**s61ab. CHILDREN'S LITERATURE. Credit, 2½ or 5 quarter hours. (Same as Library Science s123ab.)

Through both terms. First term: Mrs. Jordan. Second term: Visiting Professor Heller. Hour: 10:00 daily.

s63a. CLASSROOM MANAGEMENT. Credit, 2½ quarter hours.

First term. Professor Phillips. Hour: 10:00 daily.

A course for teachers on the organization and direction of activities in the classroom as distinguished from the administration of an entire school. Class routine, lesson planning, conduct of the recitation, and extra-curricular activities will be included. Textbook, special readings, observations, and reports.

s71. EDUCATIONAL PSYCHOLOGY. Credit, 5 quarter hours.

First term. Professor Jordan. Laboratory fee, $2.00. Hours: Lectures, 8:00 to 10:00 M., W., Th., F. Laboratory, 2:00 to 4:00 T., Th.

To consider critically such topics as the original nature of man, heredity and environment, types of learning and factors influencing learning, individual differences, mental hygiene, and mental measurement is the purpose of this course.

s98. GENERAL METHODS IN SECONDARY EDUCATION. Credit, 5 quarter hours.

First term. Visiting Professor_____. Hours: 11:00 to 1:00 daily.

The first half of this course deals with the aims of high school teaching and the outcomes of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted.

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* These courses are designed principally for teachers having to do with the organization and directing of high school bands and orchestras. Instruments may be rented at a nominal fee, but teachers are urged to bring their own instruments if possible.

Private instruction will be available in organ, piano, voice, violin, and other band and orchestral instruments. Credit in the Teacher Training Program will be given on the basis of 1½ quarter hours for twelve half-hour lessons with six or more hours of practice a week. The attention of teachers and prospective teachers is called to the courses Music s4, s24, s25, s56, which are open to all students without prerequisite work.

Anyone playing a band or orchestral instrument will be afforded the opportunity of playing in the All-State High School Band or Orchestra during the first term of the Summer Session. The Chorus, which will be a special feature of both terms, is open to all students of the Summer Session.

**This course may be taken either term for 2½ quarter hours credit.

Courses for Graduates and Advanced Undergraduates

s101. INTRODUCTION TO SCHOOL ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Maaske. Hours: 11:00 to 1:00 daily.

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course.

s102. THE ELEMENTARY SCHOOL PRINCIPALSHIP. Credit, 5 quarter hours.

First term. Professor Phillips. Hours: 8:00 to 10:00 daily.

The qualifications, duties, and opportunities of the elementary school principal as an educational leader in an elementary school or in a union school will be carefully examined. Attention will be given to the practical organization of the staff, the instructional program, extra-curricular activities, and all the other professional responsibilities of the principal.

s103. ELEMENTS OF STATISTICAL METHODS. Credit, 5 quarter hours. Prerequisites, Education 71 or equivalent.

First term. Professor Munch. Hours: 11:00 to 1:00 daily.

This course provides the statistical training needed for understanding reports of modern educational investigations. Methods of collecting data for educational, psychological, and social studies, procedures and devices used in tabulating data, calculating measures of average, dispersion and correlation, and dangers in interpreting calculated index numbers will be given special attention.

s105. GUIDANCE AND ADMINISTRATION OF PUPILS. Credit, 5 quarter hours.

First term. Professor Morrison. Hours: 11:00 to 1:00 daily.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupils' activities, in student government, in athletics, etc.

s106a. PRINCIPLES OF OCCUPATIONAL DIAGNOSIS AND GUIDANCE. Credit, 2½ quarter hours.

First term. Professor Bradshaw. Hour: 9:00 daily.

This course is designed to provide a broad introduction to this field for graduate students who have had adequate training in general psychology, and some practical experience in business, industry, or a profession. Two fairly distinct groups of students are invited to register for the course: (a) those who plan to become personnel or placement officers in public employment offices, industrial or commercial firms, schools, or colleges; (b) teachers, supervisors, and administrative school officers.

s110a. PHILOSOPHY OF MODERN EDUCATION. Credit, 2½ quarter hours.

First term. Professor Bradshaw. Hour: 10:00 daily.

The biological, psychological, and sociological principles underlying

modern life in a democracy will be examined critically as a basis for a sound philosophy of modern education. Readings, reports, observations, and discussions.

s121a. PRINCIPLES OF PHYSICAL EDUCATION. Credit, 2½ quarter hours. (Same as Physical Education s151a.)

First term. Professor Cornwell. Hour: 12:00 daily.

s122a. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Credit, 2½ quarter hours. (Same as Physical Education s152a.)

First term. Professor Cornwell. Hour: 10:00 daily.

s123a. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. Credit, 2½ quarter hours. (Same as Physical Education s153a.)

First term. Professor Cornwell. Hour: 11:00 daily.

s130a. ADULT EDUCATION. Credit, 2½ quarter hours.

First term. Professor Maaske. Hour: 10:00 daily.

A general course which will consider various phases of the field of adult education such as (1) Recent developments in the field, (2) History and philosophy of the adult education movement, (3) Psychology of adult learning, (4) Organization and administration of problems of adult education, and (5) Special emphasis upon practical problems and general teaching techniques and materials in various fields of adult education. Class members will have ample opportunity to work on individual problems in their field of interest.

s152. THE TEACHING AND SUPERVISION OF THE LANGUAGE ARTS IN THE ELEMENTARY GRADES. Credit, 5 quarter hours.

Second term. Visiting Professor Baker. Hours: 8:00 to 10:00 daily.

Oral and written expression, spelling, penmanship, and grammar will be considered during the first half of this course. Reading and children's literature will be discussed during the second half of the course. The techniques and procedures available for improving the quality of instruction in these fields will be given primary attention.

s154a. THE TEACHING AND SUPERVISION OF THE SOCIAL STUDIES IN THE ELEMENTARY GRADES. Credit, 2½ quarter hours.

First term. Professor King. Hour: 10:00 daily.

This course is designed for teachers and supervisors or principals who desire to study the recent developments in organization, methods, materials, and aids for the social studies in the elementary grades.

s156a. THE TEACHING AND SUPERVISION OF ARITHMETIC IN THE ELEMENTARY GRADES. Credit, 2½ quarter hours.

First term. Visiting Professor MacLatchy. Hour: 11:00 daily.

This course deals with the organization and selection of subject matter in arithmetic together with modern methods of teaching this subject in the elementary school. It is designed for both teachers and supervisors.

s160. CURRICULUM CONSTRUCTION. Credit, 5 quarter hours.

First term. Visiting Professor McNutt. Hours: 11:00 to 1:00 daily.

The construction and organization of the curricula of the elementary and secondary schools when based upon human needs. Includes consideration of the teacher's function in curriculum construction, objectives of the school subjects, sources of curricular material and criteria for evaluating it, selection and organization of the pupil-activities through which the objectives may be attained.

s161. TECHNIQUES AND PROCEDURES OF PROGRESSIVE SCHOOLS. Credit, 5 quarter hours.

Second term. Professor McKee. Hours: 11:00 to 1:00 daily.

An attempt will be made in this course to develop criteria by which children's educational activities should be evaluated, the means by which they should be tested, and the principles governing procedures in activity work.

s162a. TEACHING PUPILS HOW TO STUDY. Credit, 2½ or 5 quarter hours.

Second term. Professor McKee. Hour: 10:00 daily.

The physical and environmental factors that condition effective study, the necessary preliminary preparations for study, techniques for discovering a pupil's present study habits in each subject-matter field, the evaluation and improvement of study habits, and techniques for the supervision of practice and growth in each type of study will be conducted.

*s163ab. IMPROVEMENT AND EVALUATION OF CLASSROOM INSTRUCTION. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Visiting Professor McNutt. Second term: Visiting Professor Baker. Hour: 10:00 daily.

The general and specific objectives of instruction are agreed upon in the early meetings of this course. Criteria are then developed for evaluating the materials, techniques, activities, and outcomes of instruction. The latter part of the course consists in applying the criteria to actual classroom lessons in an attempt to develop skill in observing, evaluating, and improving instruction.

s165. INVESTIGATIONS IN READING. Credit, 5 quarter hours.

First term. Visiting Professor MacLatchy. Hours: 8:00 to 10:00 daily.

This course will deal more intensively with such phases of the subject as cannot receive adequate emphasis in the regular methods course. Among the topics which will receive special consideration are: recent investigations of reading abilities and their import; children's interests in reading; analysis of the content of readers now in use in school libraries; reading tests; diagnostic and remedial work.

*s171ab. GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Jordan. Second term: Mr. Perry. Hour: 12:00 daily.

(a) A study of the physical, emotional, and intellectual changes in growing children up to the adolescent period. Suitable for students interested in the fundamental processes of growth. (b) The study of

* This course may be taken either term for 2½ quarter hours credit.

the physical, emotional, and intellectual changes is continued throughout the adolescent period.

s172a. THE PROBLEMS OF MALADJUSTMENT AMONG CHILDREN. Credit, 2½ quarter hours.

Second term. Mr. Perry. Hour: 8:00 daily.

This course will be based on guidance problems with which teachers and principals in elementary and high schools have to deal. Stress will be placed on the prevention of casual factors of personality maladjustments, of delinquency, and of emotional instability. Various methods of therapy to be followed in the treatment of the more typical behavior difficulties will be investigated. Case studies will be used to analyze such classroom problems as fear, jealousy, social maladjustments, and failures.

*s174ab. THE USE AND INTERPRETATION OF EDUCATIONAL TESTS. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Morrison. Second term: Mr. Perry. Hour: 9:00 daily.

This course is intended to give the teacher or principal an opportunity to study educational tests as instruments to be used in the evaluation and improvement of instruction and in solving instructional problems in the classroom and school. A minimum of time will be devoted to practical problems in simple statistical interpretation of test results.

s179a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC. Credit, 2½ quarter hours.

First term. Mr. Bloch. Hour: 12:00 daily.

Supplementing the class instruction in band and orchestral instruments, this course is designed to give the student the necessary preparation for organizing and teaching instrumental music. Discussions and comparative study of materials and methods.

s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC. Credit, 2½ quarter hours.

Each term. First term: Mr. Twaddell, 10:00 daily. Second term: Professor Toms, 4:00 daily.

The principles and practice of choral singing, including the choral technique employed in training *a capella* ensembles, with a survey of music materials suitable for school, college, and church choirs.

s181. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. Credit, 5 quarter hours.

Second term. Professor Farrar. Hours: 11:00 to 1:00 daily.

This course is designed to give practical preparation for the teaching of English in high schools. It includes consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high school age. Applicants should be thoroughly grounded in the fundamental principles of English grammar, should write and speak well, and should have more than average ability to appreciate literature.

s183. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. Credit, 5 quarter hours.

Second term. Professor Giduz. Hours: 8:00 to 10:00 daily.

In this course the student studies the development of modern lan-

* This course may be taken either term for 2½ quarter hours credit.

guage teaching. Particular stress is laid on present-day tendencies, more especially in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports on readings.

s185. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL SCIENCES. Credit, 5 quarter hours.

First term. Professor King. Hours: 8:00 to 10:00 daily.

This course is organized around the following units: the social studies and their place in the curriculum; the course of study; teaching procedures; the use of equipment and teaching aids; the testing and evaluation of the results of teaching the social studies.

s189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. Credit, 5 quarter hours.

First term. Professor Munch. Hours: 8:00 to 10:00 daily.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objective of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics.

*s196ab. THE ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Douglass. Second term: Visiting Professor Johnston. Hour: 9:00 daily.

This course will consider such topics as the following: organization of secondary school units, housing; selecting and assigning the staff; schedule making; public relations and publicity; organization of guidance and of extra-curricular activities; pupil, equipment, and internal fund accounting and related problems of administration; government; and problems relating to instruction.

s199. PRINCIPLES OF SECONDARY EDUCATION. Credit, 5 quarter hours.

Second term. Professor Gwynn. Hours: 11:00 to 1:00 daily.

This course will embrace a study of the American high school, its evolution, organization, administration, functions, and problems. It is designed primarily for high school teachers, high school principals, and graduate students who are looking forward to high school principalships.

Courses for Graduates

s206. THE PUBLIC SCHOOL SUPERINTENDENCY. Credit, 5 quarter hours.

First term. Visiting Professor Clevenger. Hours: 11:00 to 1:00 daily. Prerequisite: at least two years administrative experience and Education 101 or its equivalent.

This course is designed to assist city and county superintendents of schools to meet effectively the practical problems of their daily work. The selection and supervision of the teaching staff, the development and administration of courses of study, the diagnosis, classification, and guidance of pupils, the planning and maintenance of buildings, and the transportation of pupils will be among the topics considered.

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* This course may be taken either term for 2½ quarter hours credit.

s298ab. SUPERVISION OF INSTRUCTION. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Visiting Professor Clevenger. Second term: Visiting Professor Johnston. Hour: 8:00 daily.

This course will meet the needs of principals, supervisors, and superintendents. It will deal with the nature and functions of supervision in a modern school program. The following topics will receive attention: recent trends in supervisory theory and practice; teacher participation in the determination of policies; an effectively organized program of supervision; standards for judging teaching; methods of improving instruction; the use of supervisory conferences; teachers' meetings; curriculum adjustment, and other direct and indirect means of supervision.

s303ab. PROBLEMS IN EDUCATIONAL ADMINISTRATION. Credit, 2½ or 5 quarter hours. Prerequisite, Education s101, or its equivalent, and one other course in administration.

Through both terms. First term: Visiting Professor_____ and Professors in the department. Second term: Visiting Professor Johnston. Hours: to be arranged.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once.

s375. THESIS. Credit, 2½ or 5 quarter hours.

Through both terms. Professors in the Department. Hours: to be arranged.

This course will include such work as is necessary for each student in connection with the writing of his thesis or dissertation in the Department of Education.

s376. SEMINAR. Credit, 2½ or 5 quarter hours.

Through both terms. Professor in the Department. Hours: to be arranged.

A research course in a special field under the direction of a member of the department.

s398ab. PROBLEMS IN SECONDARY EDUCATION. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Douglass. Second term: Professor Gwynn. Hours: 2:00 to 4:00 Tuesday and Thursday.

This course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. At the beginning of the course each student is required to select a problem for special investigation.

NOTE: Attention is called to courses in Nursing Education, See Part III.

ENGLISH

Courses for Undergraduates

s3. ENGLISH COMPOSITION. Credit, 3 quarter hours.

First term. Mr. Wilson. Hour: 9:00 daily (including Saturdays). Murphey 202.

Final quarter of freshman English. Themes, personal conferences, study of essay, directed readings.

s22. ENGLISH LITERATURE. Credit, 3 quarter hours.

First term. Mr. Hartsell. Prerequisite, English 21. Hour: 10:00 daily (including Saturdays). Murphey 201.

s23. ENGLISH LITERATURE. (Continued.) Credit, 3 quarter hours.

Second term. Professor Spivey. Prerequisite, English 22. Hour: 10:00 daily (including Saturdays). Murphey 201.

s44. PUBLIC SPEAKING: INTRODUCTORY COURSE. Credit, 5 quarter hours.

First term. Professor Olsen. Hours: 9:00 and 11:00 daily. Murphey 207.

Study and practice in organization, outlines, and delivery, in problems of attention and persuasion, with collateral readings on contemporary public problems.

s46. DEBATING. Credit, 2½ quarter hours.

First term. Professor Olsen. Hour: 12:00 daily. Murphey 207.

A course in the discussion and analysis of public questions. Special attention will be given to the needs of high school teachers.

s52. ADVANCED COMPOSITION: THE TECHNIQUE OF EXPOSITION. Credit, 2½ quarter hours.

Second term. Professor Bailey. Hour: 12:00 daily. Murphey 206.

A course in expository writing for students desiring practice in organization of materials.

s54. CREATIVE WRITING. Credit 2½ quarter hours.

First term. Professor H. K. Russell. Hour: 10:00 daily. Murphey 207.

Study of and practice in various forms of original and imaginative writing, including verse, the short story, and the novel. Class criticism and discussion.

s87. LITERARY ASPECTS OF THE BIBLE. Credit, 2½ quarter hours.

Second term. Professor Howell. Hour: 9:00 daily. Murphey 202.

s89ab. VICTORIAN LITERATURE, 1860-1890. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Booker. Second term: Professor Bailey. Hour: 10:00 daily. Murphey 202.

A survey of late Victorian literature. First term, poetry: Arnold, Rossetti, Morris, Swinburne, and Meredith; second term, prose: chiefly Ruskin, Arnold, George Eliot, and Meredith.

s97ab. CONTEMPORARY LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor H. K. Russell. Second term: Professor Spivey. Hour: 8:00 daily. Murphey 202.

A study of English and American prose writings since 1920. Representative works will be analyzed and related to the cultural influences of the period.

Courses for Graduates and Advanced Undergraduates

s103ab. MIDDLE ENGLISH: CHAUCER. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Ericson. Second term: Professor Sharpe. Hour: 8:00 daily. Murphey 206.

s113b. ENGLISH DRAMA OF THE SIXTEENTH CENTURY. Credit, 2½ quarter hours.

First term. Professor Law. Hour: 10:00 daily. Murphey 206.

English drama of the latter half of the sixteenth century: interludes, court and Inns of Court plays, and the university wits.

s115ab. SHAKESPEARE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Law. Second term: Professor Sharpe. Hour: 9:00 daily. Murphey 206.

Each term one play is studied intensively and a sequence of major plays chosen to illustrate dramatic types and the periods of Shakespeare's career are read. Undergraduates may take the course in lieu of English 50, graduates in lieu of English 231 or 232.

s121b. ENGLISH LITERATURE, 1600-1700. Credit, 2½ quarter hours.

Second term. Professor Howell. Hour: 10:00 daily. Murphey 206.

The non-dramatic literature of the period.

s131ab. ENGLISH LITERATURE, 1700-1780. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor MacMillan. Second term: Professor McCutcheon. Hour: 11:00 daily. Murphey 202.

First term: the age of Pope; second term: the age of Johnson.

s133a. RESTORATION DRAMA. Credit, 2½ quarter hours.

First term. Professor MacMillan. Hour: 12:00 daily. Murphey 206.

s141b. ENGLISH LITERATURE, 1800-1830. Credit, 2½ quarter hours.

Second term: Professor McCutcheon. Hour: 9:00 daily. Murphey 201.

The Romantic Movement, latter phase: Byron, Shelley, Keats, and their contemporaries of the younger generation of Romanticists.

s153ab. LITERATURE OF THE SOUTH. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Adams. Second term: Professor Paine. Hour: 11:00 daily. Murphey 201.

A course in the literature of the South since 1800, with particular emphasis on the novels, local color stories, and periodicals.

s170. MODERN ENGLISH. Credit, 2½ quarter hours.

First term. Professor Ericson. Hour: 9:00 daily. Murphey 201.

A study of current idiom and Modern English grammar and syntax in the light of the historical development of our language. Modern English will be related to the Middle and Old English periods.

Courses for Graduates

s243a. VICTORIAN LITERATURE. Credit, 2½ quarter hours.

First term. Professor Booker. Hours: 4:00-6:00, Monday and Thursday. Library 303.

Pro-Seminar: the use of medieval sources by Tennyson, Arnold, Morris, and Swinburne.

s284ab. AMERICAN LITERATURE, 1855-1900. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Adams. Second term: Professor Paine. Hour: 12:00 daily. Murphey 201.

This survey has no prerequisite course in American literature. The

chief authors included are Lanier, Whitman, Mark Twain, Bret Harte, Howells, and James. Stress is placed upon the cultured and folk literature of the South, the influence of Whitman upon poetry, the rise of realism, literary criticism, and the dominance of magazines.

s339. SPECIAL RESEARCH. Credit, 2½ or 5 quarter hours.

Through both terms. Hours to be arranged with individual instructors.

Research under the direction of a member of the graduate staff. The fields vary in accordance with the special interests of those members of the staff in residence. In the summer of 1938, individual or group studies will be directed as follows: First term, in Old and Middle English, also in Modern English, particularly studies in American dialects, by Professor Ericson; in the Renaissance by Professor Law; in the Eighteenth Century by Professor MacMillan; in the Victorian period by Professor Booker; in American Literature by Professor Adams. Second term, in the Renaissance by Professor Sharpe; in the Seventeenth Century by Professor Howell; in the Eighteenth Century and the Romantic Movement by Professor McCutcheon; in American Literature by Professor Paine.

GEOLOGY AND GEOGRAPHY

Geology

Courses for Undergraduates

s41. INTRODUCTION TO GEOLOGY. Credit, 6 quarter hours.

First term. Professor Burling and Assistant. Laboratory fee, $3.00. Hours: Lectures, 8:00 daily (including Saturdays); Laboratory, 2:00 to 5:00 four days a week. New East 110.

s42. HISTORICAL GEOLOGY. Credit, 6 quarter hours.

Second term. Professor Huddle and Assistant. Laboratory fee, $3.00. Hours: Lectures, 8:00 daily (including Saturdays); Laboratory, 2:00 to 5:00 four days a week. New East 203.

Courses for Graduates and Advanced Undergraduates

s128-s129. SUMMER FIELD COURSE. Credit, 10 quarter hours.

First term. Professor Prouty. Prerequisite, Introductory Geology and Mineralogy.

A six weeks' course to be given in North Carolina and bordering states. In this course Economic, Structural and Stratigraphic Geology, and Geologic Mapping will be emphasized. For details, write the Department of Geology.

s161. METEOROLOGY. Credit, 5 quarter hours.

First term. Professor Burling. Laboratory fee, $2.50. Hours: to be arranged.

A study of the atmosphere and the factors controlling the weather, the making and interpretation of weather maps, and weather forecasting.

Courses for Graduates

s261. ADVANCED APPLIED GEOPHYSICS. Credit, 5 quarter hours. Prerequisite, Mathematics through Calculus.

First term. Professor Burling. Hours: to be arranged.

s285. ADVANCED PALEONTOLOGY. Credit, 5 quarter hours.

Second term. Professor Huddle. Hours: to be arranged.
Intensive work on the Brachiopoda.

s381. RESEARCH IN STRATIGRAPHY. Credit, 2½ or 5 quarter hours.

Second term. Professor Huddle. Hours: to be arranged.

s389. RESEARCH IN PALEONTOLOGY. Credit, 2½ or 5 quarter hours.

Second term. Professor Huddle. Hours: to be arranged.

Geography

Courses for Undergraduates

s51. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Credit, 5 quarter hours.

First term. Professor Erickson. Hours: Lectures, 9:00 to 11:00 daily; ten laboratory hours to be arranged. New East 110.

s74. GEOGRAPHY FOR TEACHERS. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Erickson. Second term: Professor Emory. Hour: 8:00 daily. New East.
A course designed to acquaint teachers with the fundamentals of Geography. The most important factors of the physical environment are studied in their relationship to human activities.

Course for Graduates and Advanced Undergraduates

s154. HISTORICAL GEOGRAPHY OF NORTH AMERICA. Credit, 5 quarter hours.

Second term. Professor Emory. Hours: Lectures, 9:00 daily, and ten laboratory hours to be arranged. New East 110.
A course devoted to a study of the influence on American History of various factors and combinations of factors of the natural environment. The course is intended for history teachers or others interested in American History.

Course for Graduates

s211. GRADUATE WORK IN GEOGRAPHY. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Erickson. Second term: Professor Emory. Hours: to be arranged.

GERMAN

Courses for Undergraduates

s1. ELEMENTARY COURSE. Credit, 3 quarter hours if followed by German s2 and s3 or German 2 and 3. If followed by s2 will admit to German 3.

First term. Mr. Craps. Hours: 8:00 and 12:00 six days a week. Saunders 109.
Grammar; written and oral exercises; sight reading.

s2. ELEMENTARY COURSE. Credit, 3 quarter hours if preceded

by German s1 or 1 followed by German s3 or 3. Completion of this course admits to German 3.

Second term. Mr. Korff. Hours: 8:00 and 12:00 six days a week. Saunders 109.

Continuation of s1.

s3. INTERMEDIATE COURSE. Credit, 3 quarter hours if preceded by German s1 and s2 or 1 and 2. This course covers the same material as German 3 in the regular term. Successful completion admits to German 21.

First term. Mr. Cook. Hours: 8:00 and 12:00 six days a week. Saunders 111.

Review of grammar and rapid reading.

s21. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. If followed by s22 it forms the equivalent of German 21-22-23 of the regular session.

First term. Professor Coenen. Hours: 9:00 and 12:00 daily. Saunders 110.

German literature through the classical period.

s22. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. With s21 it forms the equivalent of German 21-22-23.

Second term. Professor Friederich. Hours: 9:00 and 12:00 daily. Saunders 110.

German literature of the nineteenth century.

Courses for Graduates and Advanced Undergraduates

s109. STUDY OF THE DEVELOPMENT OF THE NOVEL AND NOVELLE IN GERMANY. Credit, 2½ quarter hours. Prerequisite, German 21-22-23, or equivalent.

First term. Professor Coenen. Hour: 8:00 daily. Saunders 110.

s131. LESSING AND HIS TIME. Credit, 2½ quarter hours. Prerequisite, 21-22-23, or equivalent.

Second term. Professor Friederich. Hour: 11:00 daily. Saunders 110.

New trends in German literature from 1700 to 1780. French and English influences. Wieland, Klopstock, Herder.

s142. MODERN GERMAN LITERATURE. Credit, 5 quarter hours. Prerequisite, 21-22-23, or equivalent.

First term. Professor Jente. Hours: 9:00 and 11:00 daily. Saunders 113.

The German drama, lyric, and novel (1880-1930). Lectures, assigned readings, and reports.

s161. HISTORY OF THE GERMAN LANGUAGE. Credit, 5 quarter hours. Prerequisite, a reading knowledge of German.

First term. Professor Lane. Hours: 10:00 and 12:00 daily. Saunders 113.

Text: S. Feist, *Die deutsche Sprache* (Max Hueber Verlag, München).

s171. INTRODUCTION TO THE COMPARATIVE AND HISTORICAL STUDY OF LANGUAGE. Credit, 2½ quarter hours. Prerequisite, a knowledge of one classical language and either French or German.

First term. Professor Lane. Hour: 8:00 daily. Saunders 113.

Practical phonetics and a survey of phonetic change with its application to the comparative method of language study. A continuation course will be offered in 1939 covering semantic and morphologic change, types of linguistic structure, and other linguistic phenomena.

Course for Graduates

s395. RESEARCH. Credit, 2½ quarter hours.

First term. Professor Jente. Hour: to be arranged.
A seminar in a special field; thesis direction.

GREEK

Course for Undergraduates

s61. GREEK LITERATURE. Credit, 2½ quarter hours.

First term. Professor Bernard. Hour: 12:00 daily. Murphey 109.
A study of the masterpieces of Greek literature in English translation, with special reference to the contribution of Greece to modern thought.

Course for Graduates and Advanced Undergraduates

s155. GREEK DRAMATIC LITERATURE. Credit, 5 quarter hours.

First term. Professor Bernard. Hours: 9:00 and 11:00 daily. Murphey 109.
A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress.

HISTORY

Courses for Undergraduates

s1. SOCIAL SCIENCE. Credit, 3 quarter hours.

First term. Professor Pegg. Hour: 8:00 daily (including Saturdays). Saunders 212.
A survey of the chief factors in Western Civilization to the French Revolution, designed to throw light on the institutions, ideas, and problems of the present.

s2. SOCIAL SCIENCE. Credit, 3 quarter hours.

First term. Mr. Sitterson. Hour: 9:00 daily (including Saturdays). Saunders 212.
A continuation of s1 Social Science, concerned with the chief factors in Western Civilization from the American and French Revolutions to the eve of the World War.

s3. SOCIAL SCIENCE. Credit, 3 quarter hours.

Second term. Professor Johnson. Hour: 9:00 daily (including Saturdays). Saunders 212.
A continuation of s2 Social Science, concerned with the more important institutions, problems, and ideals of contemporary life.

s71. HISTORY OF THE UNITED STATES TO 1860. Credit, 5 quarter hours.

First term. Mr. Sitterson. Hours: 10:00 to 12:00 daily. Saunders 212.

A general survey of the history of the United States from the beginning to the Civil War.

s72. HISTORY OF THE UNITED STATES SINCE 1860. Credit, 5 quarter hours.

Second term. Professor Johnson. Hours: 10:00 to 12:00 daily. Saunders 212.

A general survey of the history of the United States since 1860.

Courses for Graduates and Advanced Undergraduates

s101a. PERIOD STUDIES IN GREEK HISTORY. Credit, 2½ quarter hours.

Second term. Professor Caldwell. Hour: 9:00 daily. Saunders 312.

The rise of the Greek city state to 500 B.C.

s102b. PERIOD STUDIES IN ROMAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Caldwell. Hour: 8:00 daily. Saunders 312.

A study of the Roman revolution, 133 B.C. to 31 B.C.

s122a. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES. Credit, 2½ quarter hours.

First term. Professor MacKinney. Hour: 8:00 daily. Saunders 216.

A study of the early Middle Ages.

s122b. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES. Credit, 2½ quarter hours.

First term. Professor MacKinney. Hour: 9:00 daily. Saunders 216.

A study of the later Middle Ages.

s132. THE RISE OF ABSOLUTISM IN EUROPE. Credit, 5 quarter hours.

First term. Professor Garrett. Hours: 10:00 to 12:00 daily. Saunders 315.

Europe in the seventeenth century.

s138. ENGLAND FROM 1603 TO 1760. Credit, 5 quarter hours.

Second term. Professor Wagstaff. Hours: 11:00 to 1:00 daily. Saunders 316.

The national development and expansion of the British state during the period.

s143a. DIPLOMATIC HISTORY OF THE UNITED STATES, 1776-1876. Credit, 2½ quarter hours.

First term. Professor Callcott. Hour: 10:00 daily. Saunders 316.

A study of the foreign relations of the United States during the first century after independence.

s149a. THE AMERICAN COLONIES. Credit, 2½ quarter hours.

Second term. Professor Lefler. Hour: 9:00 daily. Saunders 315.

A survey of European backgrounds and the settlement of the American colonies.

s152. THE MIDDLE PERIOD, 1815-1860. Credit, 5 quarter hours.

First term. Professor Newsome. Hours: 8:00 to 10:00 daily. Saunders 315.

A study of Jacksonian Democracy, national development and ex-

pansion, state rights and sectionalism, and the causes of the War for Southern Independence.

s155. RECENT AMERICAN HISTORY, 1877-1901. Credit, 5 quarter hours.

First term. Professor Callcott. Hours: 11:00 to 1:00 daily. Saunders 316.

A study of the transition of America from an isolated rural society into an industrialized world power.

s161a. NORTH CAROLINA, 1584-1763. Credit, 2½ quarter hours.

Second term. Professor Lefler. Hour: 8:00 daily. Saunders 315.

A study of the development of North Carolina from the first settlement until 1763.

s163. THE SOUTH, 1789-1860. Credit, 5 quarter hours.

Second term. Professor Green. Hours: 10:00 to 12:00 daily. Saunders 315.

A study of the Southern States with emphasis on social, economic, and political organization and movements before the Civil War.

Courses for Graduates

s201a. EUROPEAN HISTORIOGRAPHY. Credit, 2½ quarter hours.

First term. Professor MacKinney. Hours: to be arranged.

s201b. AMERICAN HISTORIOGRAPHY. Credit, 2½ quarter hours.

Second term. Professor Green. Hours: to be arranged.

s301. SEMINAR IN EUROPEAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Caldwell. Hours: to be arranged.

s321. SEMINAR IN EUROPEAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Garrett. Hours: to be arranged.

s331. SEMINAR IN AMERICAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Lefler. Hours: to be arranged.

s333. SEMINAR IN AMERICAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Newsome. Hours: to be arranged.

LATIN

Courses for Graduates and Advanced Undergraduates

s102. ROMAN DRAMATIC LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Johnson. Hour: 8:00 daily. Murphey 103.

A study of the development of Roman Comedy and Tragedy. Readings from selected plays.

s104. CICERO. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 8:00 daily. Murphey 103.

A study of Cicero's works, with emphasis on those writings which deal particularly with his public career.

s105. THE ROMAN NOVEL. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 9:00 daily. Murphey 101.

The history of the Roman novel, with special emphasis on the work of Petronius and Apuleius.

s153. CAESAR. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 12:00 daily. Murphey 103.

The course will deal with readings from Caesar's Gallic and Civil Wars, and with the politics and history of the period.

Courses for Graduates

s201. LATIN PALAEOGRAPHY. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 9:00 daily. Murphey 103.

A study of the Roman and Mediaeval forms of writing by which the works of Roman authors have been transmitted.

s209. ROMAN EPISTOLARY LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Johnson. Hour: 9:00 daily. Murphey 103.

Readings from the letters of leading Romans, Cicero, Seneca, Pliny, and a study of the letter as a literary form.

s301. LATIN SEMINAR. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 10:00 daily. Murphey 103.

The subject will be the critical study of an author, or of a literary type, e.g. Livy, Vergil, Tacitus.

s302. LATIN SEMINAR. Credit, 2½ quarter hours.

Second term. Professor Johnson. Hour: 12:00 daily. Murphey 103.

The subject will be the study of an author, or of a literary type. e.g. Sallust, Horace, Martial.

s310. THESIS COURSE. Credit, 5 quarter hours.

First term. Professor Harrer. Hours by arrangement. Murphey 105.

Work on special topics, and with individual conferences. The work carries credit only in connection with the completed thesis.

NOTES: Courses in Ancient History regularly make an approved Minor for an advanced degree in Latin, and may, by special permission of the Latin Department, be counted in the Major.

The Department is ready, on sufficient demand, to offer courses in Freshman and Sophomore Latin.

It is possible that the topics for Graduate work mentioned above may be altered to meet the special needs of Graduate students whose major is in Latin.

SCHOOL OF LAW

All offerings in Law will meet in Manning Hall, which houses the School of Law.

CONTRACTS I. Credit, 2½ semester hours.

First term. Professor Dalzell. Hour: to be arranged.

DOMESTIC RELATIONS. Credit, 2½ semester hours.

First term. Professor Coates. Hour: to be arranged.

FEDERAL JURISDICTION AND PROCEDURE. Credit, 2½ semester hours.

First term. Professor Shulman. Hour: to be arranged.

TRIAL PRACTICE. Credit, 2½ semester hours.
First term. Professor Sunderland. Hour: to be arranged.

AGENCY. Credit, 2½ semester hours.
Second term. Professor Breckenridge. Hour: to be arranged.

REAL PROPERTY I. Credit, 2½ semester hours.
Second term. Professor McCall. Hour: to be arranged.

ACCOUNTING IN LAW PRACTICE. Credit, 2½ semester hours.
Second term. Professor Graham. Hour: to be arranged.

NORTH CAROLINA PRACTICE. Credit, 2½ semester hours.
Second term. Professor Markham assisted by prominent North Carolina attorneys. Hour: to be arranged.

The first two courses named each term are for advanced students; the second two are primarily for beginning students.

Separate credit may be obtained for the work of each term. Credit for two and one-half semester hours will be given for each subject completed each term. All classes meet daily from Monday to Friday, inclusive, for one hour and twenty minute periods each. Two courses constitute the maximum load for which a student may register. Attendance throughout the entire Summer Session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

Requirements for Admission. For students beginning the study of law, the completion of the first three years of work required for an academic degree in an accredited college. For advanced students, good standing at a member school of the Association of American Law Schools.

Fees. All students: $41.50 for one term; $78.00 for both terms. Room rent in Carr Building, reserved exclusively for the use of law students, is $15.00 for each occupant of a double room, for each term of the Summer Session. See General Information—Rooms.

The School of Law of the University of North Carolina is approved by the American Bar Association, and is a member of the Association of American Law Schools.

*SCHOOL OF LIBRARY SCIENCE

**s101ab. CATALOGING AND CLASSIFICATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Holt. Second term: Professor Akers. Hour: Section I, 9:00 daily. Section II, 8:00 daily. Library 303.

**s111ab. REFERENCE AND BIBLIOGRAPHY. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Kelling. Second term: Mrs. Pierce. Hour: Section I, 8:00 daily. Bingham 216. Section II, 9:00 daily. Library 313.

NOTE: s111a meets the requirements in Reference for North Carolina Library Science Certificate B for Teacher-librarians.

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* All courses count toward a degree in library science; only s111, s121, and s123 count for an A.B.

** "ab" indicates the course is divided into two parts, "a" comes the first term, "b" the second term. "a" is prerequisite for "b."

**s121ab. PRINCIPLES OF BOOK SELECTION. Credit, 2½ quarter hours each term.

Through both terms. Professor Heller. Hour: Section I, 10:00 daily. Section II, 11:00 daily. Library 313.

**s123ab. BOOK SELECTION FOR CHILDREN'S LIBRARIES. Credit, 2½ quarter hours each term.

Through both terms. First term: Mrs. Jordan. Second term: Professor Heller. Hour: Section I, 8:00 daily. Library 313. ***Section II, 10:00 daily. Library 303.

Same as Education s61ab.

NOTE: Meets the requirements in Children's Literature for North Carolina Library Science Certificate B for Teacher-librarians.

**s141ab. ADMINISTRATION OF LIBRARIES. Credit, 2½ quarter hours each term.

Through both terms. Mr. Lyle. Hour: 9:00-11:00 Mondays, Wednesdays, and Fridays. Bingham 216.

For students who have completed two quarters work in Library Science at this institution.

s152. THE CARE AND USE OF LIBRARY MATERIALS. Credit, 2½ quarter hours.

Second term. Mrs. Pierce. Hour: 12:00 daily. Library 313.

NOTE: With course s153, meets the requirements in Administration for North Carolina Library Science Certificate B for Teacher-librarians.

s153. LIBRARY WORK WITH CHILDREN AND YOUNG PEOPLE. Credit, 2½ quarter hours.

First term: Section I, Mrs. Jordan. Hour: 11:00 daily. Library 303. Section II, Professor Heller. Hour: 12:00 daily. Library 313.

NOTE: With course s152, meets the requirements in Administration for North Carolina Library Science Certificate B for Teacher-librarians.

s191. SPECIAL PROBLEMS. Credit, 2½ quarter hours.

First term: Reference, Professor Kelling. Hours by appointment. Prerequisite: Library Science s111ab and s112ab.

Second term: Cataloging, Professor Akers. Hours by appointment. Prerequisite: Library Science s101ab and s102ab.

Since enrollment in all Library Science courses is limited, and credentials must be submitted in advance, *application for admission to all such courses should be made by May 1st, if possible.*

Requirements for admission. The principal requirement for admission is a bachelor's degree from an accredited college or university.

Mature persons who cannot qualify for admission to the regular curriculum and who are not interested in completing the work for the degree but who could take certain courses with profit, will be admitted as special students. They, too, *should apply by May 1st, if possible.*

MATHEMATICS

Courses for Undergraduates

s1. COLLEGE ALGEBRA. Credit, 5 quarter hours.

First term. Professor Browne. Hours: 9:00 and 12:00 daily. Phillips 352.

** "ab" indicates the course is divided into two parts, "a" comes the first term, "b" the second term. "a" is prerequisite for "b".

***If necessary to offer in second term, instructor will be secured.

s2. PLANE TRIGONOMETRY. Credit, 5 quarter hours.

Second term. Professor Lasley. Hours: 9:00 and 12:00 daily. Phillips 352.

s31. PLANE ANALYTIC GEOMETRY. Credit, 5 quarter hours.

First term. Professor Mackie. Hours: 8:00 and 10:00 daily. Phillips 352.

s32. DIFFERENTIAL CALCULUS. Credit, 5 quarter hours.

First term. Professor Hill. Hours: 9:00 and 11:00 daily. Phillips 353.

s33. INTEGRAL CALCULUS. Credit, 5 quarter hours.

Second term. Professor Cameron. Hours: 9:00 and 11:00 daily. Phillips 353.

Courses for Graduates and Advanced Undergraduates

s104. INTRODUCTION TO ADVANCED ALGEBRA. Credit, 2½ quarter hours.

Second term. Professor Cameron. Hour: 12:00 daily. Phillips 360.

A course designed especially for teachers. Selected topics in advanced algebra, including such subjects as linear and quadratic forms, limits and series, complex numbers, elementary groups, etc.

s105. HISTORY OF MATHEMATICS. Credit, 2½ quarter hours.

First term. Professor Hill. Hour: 12:00 daily. Phillips 360.

An account of some of the men and events in the history of mathematics. For teachers and also for students who desire to view their subject in the light of its history.

s131. THEORY OF EQUATIONS. Credit, 5 quarter hours.

First term. Professor Henderson. Hours: 8:00 and 10:00 daily. Phillips 369.

Such subjects as the solution of equations of higher degree, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling, and evolution of equations.

s150. SYNTHETIC PROJECTIVE GEOMETRY. Credit, 2½ quarter hours.

Second term. Professor Lasley. Hour: 11:00 daily. Phillips 360.

s171. ADVANCED CALCULUS. Credit, 5 quarter hours.

Second term. Professor Hoyle. Hours: 8:00 and 10:00 daily. Phillips 360.

This course furnishes a background for the further study of analysis. Its chief purpose is rigor in demonstration.

Courses for Graduates

s241. THE LIE THEORY OF DIFFERENTIAL EQUATIONS. Credit, 2½ quarter hours.

Second term. Professor Hoyle. Hour: 9:00 daily. Phillips 360.

A study of differential equations from the point of view of continuous groups.

s251. NON-EUCLIDEAN GEOMETRY. Credit, 2½ quarter hours.
First term. Professor Henderson. Hour: 9:00 daily. Phillips 360.

s256. ALGEBRAIC INVARIANTS. Credit, 2½ quarter hours.
First term. Professor Browne. Hour: 10:00 daily. Phillips 351.
An introduction to the non-symbolic theory of invariants of binary forms with applications to geometry.

s266. THEORY OF FUNCTIONS OF A REAL VARIABLE. Credit, 2½ quarter hours.
First term. Professor Mackie. Hour: 11:00 daily. Phillips 360.

MUSIC

All offerings in Music will meet in Hill Music Hall in rooms to be determined by the Department.

Courses for Undergraduates

s4. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.
Each term. First term: Professor Slocum and Assistant. Second term: Professor Toms and Assistant. Hours: 8:00 and 1 additional hour daily to be arranged.
A course in the rudiments of musical notation with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisite or previous training is necessary, but previous musical experience will obviously be of great value to the student. Ten hours a week distributed on the basis of two hours lecture and eight hours laboratory practice.

s5. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.
Second term. Professor Toms and Assistant. Hours: 8:00 and 1 additional hour daily to be arranged.
Continuation of s4.

s14. HARMONY. Credit, 2½ quarter hours . Prerequisite, Music s4.
Each term. First term: Professor Haydon. Second term: Professor Schinhan. Hour: 9:00 daily.
Students who do not have the prerequisite may take it concurrently.

s15. HARMONY. Credit, 2½ quarter hours.
Second term. Professor Schinhan. Hour: 2:00 daily.
Continuation of s14.

s24. HISTORY OF MUSIC. Credit, 2½ quarter hours.
First term. Professor Haydon. Hour: 12:00 daily.
A general course in the history and appreciation of music from antiquity to the end of the sixteenth century. The course will be illustrated with music examples of the Gregorian music and mediaeval music with emphasis on the great choral and instrumental developments of the fifteenth and sixteenth centuries.

s25. HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term. Professor Cykler. Hour: 11:00 daily. Open to all students.

A study of the music of the seventeenth and eighteenth centuries.

*s44. ADVANCED HARMONY. Credit, 2½ quarter hours.

Each term. Five class hours a week.

s56. MUSIC AS A LITERATURE. Credit, 3 quarter hours.

Second term. Professor Cykler. Hour: 12:00 daily and other hours to be arranged.

This course will be devoted to the study of such vocal music as the madrigal, motet, art song, the opera, and oratorio. Open to juniors, seniors and graduates. Will not be accepted as part of the major, and carries no credit towards an advanced degree.

s61. MODAL COUNTERPOINT IN THE 16TH CENTURY STYLE. Credit, 2½ quarter hours. Prerequisite, Music 14-15-16.

Second term. Professor Schinhan. Hour: 10:00 daily.

Study and practice of the contrapuntal technique of the 16th century; the writing of simple motets.

s71. INSTRUMENTATION, ELEMENTARY ORCHESTRATION, AND CONDUCTING. Credit, 2½ quarter hours.

First term. Professor Slocum. Hour: 9:00 daily.

A course in the study of the principles and practice of instrumentation, elementary score reading, and conducting.

*s72. INSTRUMENTATION, ELEMENTARY ORCHESTRATION, AND CONDUCTING. Credit, 2½ quarter hours.

Second term. Five class hours a week.

*s74. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. Credit, 2½ quarter hours. Prerequisite, Music 14-15-16.

Second term. Five class hours a week.

APPLIED MUSIC

Individual Instruction

The courses in Applied Music are open to students in any department of the University. The work in these courses is regarded not merely as technical training in performance but also as a study of musical literature. A course in Applied Music normally extends through three quarters, and credit will not be given except on completion of an entire course.**

The following regulations govern individual instruction in Applied Music. *Fees:* $12.00 a term for one lesson a week; $18.00 a term for two lessons a week. Practice rooms and periods are assigned at the Office of the Department of Music. Fee for one hour daily practice period—$2.00 a term; fee for two hours daily practice period—$3.00 a term; fee for six hours practice a week on Reuter four manual organ—$8.00 each term. Other rates in proportion. All fees for Applied Music and practice must be paid at the Office of the Department of Music.

sA, sB, sC, sD, sE. Individual instruction in organ, piano, voice, violin, and other band and orchestral instruments. Hours: by arrangement.

* This course will be given if the demand warrants.

** Credit in the Teacher Training Program will be given on the basis of 1½ quarter hours for twelve half-hour lessons with six or more hours of practice a week.

sA. Organ. First term: Mr. Williamson. Second term: Professor Schinhan.

sB. Piano. First term: Mr. Soyez. Second term: Professor Schinhan.

sC. Voice. First term: Mr. Twaddell. Second term: Professor Toms.

sD. Violin. First term: Mr. Pikutis. Second term: Professor Cykler.

sE. Other band and orchestral instruments. Professor Slocum in charge.

Class Instruction

During the first term of the Summer Session, in connection with the All-State High School Band and Orchestra Music course, class instruction in all band and orchestral instruments will be offered. See Education s55a, s56a, s57a. These courses are designed principally for teachers having to do with the organization and directing of high school bands and orchestras. Instruments may be rented at a nominal fee, but teachers are urged to bring their own instruments if possible.

sF. ANY BAND OR ORCHESTRAL INSTRUMENT.

First term. Professor Slocum, Mr. Bloch, Mr. Mitchell, Mrs. Mitchell, Mr. Hazelman. Hours: to be arranged.

sJ. CHORUS. No credit.

Each term. First term: Mr. Twaddell. Second term: Mr. Toms. Hour: 5:00 daily.

This course is open to all students of the Summer Session interested in singing the standard literature for mixed chorus.

Courses for Graduates and Advanced Undergraduates

The work in the summer terms is planned so that a properly prepared graduate student can complete the requirements for the A.M. degree in three summers of two terms each.

s103. MUSICOLOGY. Credit, 2½ quarter hours.

First term. Professor Haydon. Hour: 11:00 daily.

This part of the general course in Musicology—which is a study of the problems and methods in the various fields, historical and systematic, of musical research—is devoted to the study of music theory and performance, music history, and comparative musicology.

*s121. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours.

First term. Five class hours a week.

s122. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours. Prerequisite, a general course in the History of Music and some knowledge of music theory.

Second term. Professor Cykler. Five class hours a week, to be arranged.

A critical study of certain composers or periods of musical development.

Course for Graduates

s201. SPECIAL STUDIES. Credit and hours to be arranged.

Each term. First term: Professor Haydon. Second term: Professor Cykler.

NOTE: The attention of students in Music is called to the following Teacher Training courses in Music, which are described under the Department of Education:

Education s51a. MATERIALS AND METHODS OF TEACHING PUBLIC SCHOOL MUSIC—GRAMMAR GRADES.

Education s55a. CLASS INSTRUCTION IN WOODWIND INSTRUMENTS.

Education s56a. CLASS INSTRUCTION IN STRINGED INSTRUMENTS.

Education s57a. CLASS INSTRUCTION IN BRASS INSTRUMENTS.

Education s58a. MATERIALS AND METHODS OF TEACHING CREATIVE MUSIC.

Education s179a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC.

Education s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC.

SCHOOL OF PHARMACY

The School of Pharmacy offers during the first term only the courses described below. It should be understood, however, that in the plan of such offerings the School operates upon a basis different from that obtaining in other divisions of the Summer School. Two differences are outstanding: 1. Instead of charging a composite fee the School makes a fixed charge for each course offered. The total cost of each such course is indicated in the descriptions below. 2. A minimum of five students must register for any one of the courses. If fewer than this number apply, the course will not be given.

Any student registered in the School of Pharmacy who desires to take any service course offered in the regular Summer School may do so, provided such addition will not constitute an over-loaded schedule, and provided such student pays the sum of $2.25 for each quarter credit hour such a service course carries. If the service course involves a laboratory fee, such fee is an additional cost.

Students interested in taking any courses in pharmacy should write to the Dean of the School of Pharmacy prior to June 8, 1938 stating *all* subjects which they would like to pursue.

All offerings in Pharmacy will be held in the Howell Hall of Pharmacy. Registration for pharmaceutical courses will also be conducted in Howell Hall of Pharmacy.

Regular Courses

s10. PHARMACEUTICAL MATHEMATICS. Credit, 3 quarter hours.

A course which relates arithmetic and other mathematics to the special problems arising in dispensing and merchandising calculations involved in pharmaceutical practice. Six lectures a week. Textbook: *Sturmer's Pharmaceutical Arithmetic.* Professor Jacobs. Tuition: $25.00.

s13. PHARMACEUTICAL TECHNIQUE AND PREPARATIONS. Credit, 3½ quarter hours.

A continuation of Pharmacy 12 dealing with the more advanced theories and manipulations of pharmacy. Four lecture and six laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $25.00. Laboratory fee: $4.00.

s22. INORGANIC PHARMACY. Credit, 5 quarter hours. Prerequisite, Chemistry 31, Pharmacy 13.

Official inorganic compounds are studied. The laboratory deals with the more important compounds and preparations involving chemical reactions. Six lecture and eight laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary;* Rogers' *Inorganic Pharmaceutical Chemistry.* Professor Jacobs. Tuition: $40.00. Laboratory fee: $7.50.

s61. ADVANCED GALENICAL PHARMACY. Credit, 5 quarter hours. Prerequisite, Pharmacy 23.

A continuation of Pharmacy 23 with emphasis on the more difficult official preparations, especially those made by maceration and percolation. Six lecture and eight laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary;* Recipe Book II. Professor Burlage. Tuition: $40.00. Laboratory fee: $10.00.

NOTE: *If fewer than five students appear for one or more of the regular courses outlined above the School of Pharmacy may offer substitute courses to be given in their stead. Such courses are outlined below.*

Alternative Courses

s12. PHARMACEUTICAL TECHNIQUE. Credit, 5 quarter hours. Lectures deal with the theory and practice of pharmacy. The laboratory acquaints the student with the fundamental manipulations involved. Six lecture and eight laboratory hours a week. Textbooks: *U. S. Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

s23. GALENICAL PHARMACY. Credit, 3 quarter hours. Prerequisite, Pharmacy 10, 13.

The official galenicals are studied in the lectures. The laboratory consists of the preparation of the more important types. Four lecture and four laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $25.00. Laboratory fee: $4.00.

s62. ORGANIC PHARMACEUTICAL CHEMISTRY. Credit, 6 quarter hours. Prerequisite, Chemistry 31.

A consideration of the aliphatic series. Stress is placed on the compounds of pharmaceutical importance. Six lecture and twelve laboratory hours a week. Professor Jacobs. Tuition: $40.00; Laboratory fee, $10.00.

PHYSICAL EDUCATION

Courses for Undergraduates

s71a. ANATOMY OF MUSCULAR AND NERVOUS SYSTEMS. Credit, 2½ quarter hours.

First term. Professor Lawson. Hour: 8:00 daily. Peabody 123.

This course is designed to teach certain fundamentals of gross anatomy of the human body. Essential facts concerning the structure and function of the skeletal, muscular, and nervous systems in their relation to body mechanics and fundamental movements are treated.

s72a. GENERAL PHYSIOLOGY. Credit, 2½ quarter hours.

First term. Professor Lawson. Hour: 9:00 daily. Peabody 123.

A lecture course in elementary physiology covering the muscular, nervous, and cardio-respiratory systems. Particular attention is given to the effect of vigorous physical activity on the various body systems.

s81a. THE COACHING OF MAJOR AND MINOR SPORTS IN SECONDARY SCHOOLS AND COLLEGES. Credit, 5 quarter hours.

First term. Professor Lange. Hours: 9:00 and 2:00 daily. Gymnasium.

This course will deal with various methods and techniques of

teaching secondary school sports. Particular attention will be given to offensive and defensive football and basketball. The various events in track and field, baseball, and other sports.

s82a. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR JUNIOR AND SENIOR HIGH SCHOOL BOYS. Credit, 2½ quarter hours.

First term. Professor Lange. Hour: 10:00 daily. Gymnasium.

This course will stress the selection of activities and appropriate methods of instruction for boys in junior and senior high schools. Group games, mass athletics, and various phases of the program for daily class work.

s83a. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR JUNIOR AND SENIOR HIGH SCHOOL GIRLS. Credit, 2½ quarter hours.

First term. Professor Beard. Hour: 2:00 daily. Gymnasium.

This course will deal with the practical material used in regular physical education classes. Basketball, baseball, soccer, hockey, tennis, and other phases of the games program will be presented.

s83b. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR ELEMENTARY SCHOOLS. Credit, 2½ quarter hours.

Second term. Professor Fitzwater. Hour: 11:00 daily. Gymnasium.

This course follows s83a but has no prerequisite work. The material in this course will be for the elementary school program primarily. Selection of materials that are appropriate and methods of presentation will receive major consideration. Rhythmic expression, folk dancing, dramatization, plays and games suitable for different age groups will be taught.

s85a. CHILD RHYTHMICS AND ELEMENTARY DANCING FOR PUBLIC SCHOOLS. Credit, 2½ quarter hours.

First term. Professor Beard. Hour: 3:00 daily. Gymnasium.

This course will include singing games, basic methods and materials in modern, folk, and tap dancing. Fundamentals of movement and rhythm basic to all types of dance will be the primary consideration of the course.

s85b. RHYTHMICS FOR PUBLIC SCHOOLS AND COLLEGES. Credit, 2½ quarter hours.

Second term. Professor Fitzwater. Hour: 2:00 daily. Gymnasium.

A study of the rhythmic pattern of body movement in the various dance forms. Materials and methods for teaching rhythmics in secondary schools and colleges. Attention will be given to folk, modern, tap, and various other forms of dancing.

Courses for Graduates and Advanced Undergraduates

s120. PRINCIPLES AND PROGRAM IN PHYSICAL EDUCATION. Credit, 2½ quarter hours.

First term. Professor Cornwell. Hour: 11:00 daily. Peabody 123.

A study is made in this course of the bases for physical education in the present organization of society; the relations of physical education to general education practice; standards for judging physical education practice; and the psychological, sociological, and hygienic guides to be used in the selection of materials and methods.

s121a. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Credit, 2½ quarter hours.

First term. Professor Cornwell. Hour: 10:00 daily. Peabody 123.

This course deals with problems and procedures in physical education in public schools. Organization of program, class schedules, teaching load, budget and finance, legislation, classification of students, administration of gymnasium, and other pertinent materials.

s123. PERSONAL HYGIENE (Health Education). Credit, 2½ quarter hours.

Second term. Professor Siewert. Hour: 10:00 daily. Peabody 123.

This course presents personal and general hygiene as a means for the improvement of living. A study of the problems of living as they involve the health of the adult. Problems of the adjustment of the individuals to general conditions of rural and urban life. Various aspects of public health teaching receive consideration.

s126b. THEORY AND PRACTICE IN INDIVIDUAL PHYSICAL EDUCATION. Credit, 2½ quarter hours.

Second term. Professor Siewert. Hour: 9:00 daily. Peabody 123.

This course deals with fundamental principles in the selection and adaptation of activities in corrective procedures. Methods of examining and determining individual needs, activity program of both formal and informal character to meet the needs of various students in schools and colleges will be the problems dealt with in this course.

s127. INTRAMURAL AND EXTRAMURAL SPORTS FOR PUBLIC SCHOOLS AND COLLEGES. Credit, 2½ quarter hours.

Second term. Professor Siewert. Hour: 11:00 daily. Peabody 123.

The study of the intramural and extramural program in terms of organization and administration. A critical analysis of the seasonal sports program with a view to their justification from the standpoint of objectives, age level, and contribution to the general welfare of the students participating.

Course for Graduates

s220. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. Credit, 2½ quarter hours.

First term. Professor Cornwell. Hour: 12:00 daily. Peabody 123.

This course is designed to familiarize the student with various tests and measurements in the fields of health and physical education. Special attention is given to methods of giving and swing tests as well as the uses to be made of results obtained. An evaluation of various test materials and testing programs form an important part of the course.

Recreational Opportunities in the Gymnasium

The facilities of the new gymnasium will be available to regular summer school students at all times. Locker room service, hand ball courts, boxing and wrestling rooms, badminton, squash, and volley ball courts will be open for use on regular schedule.

Recreational swimming periods will be scheduled at convenient hours.

PHYSICAL EDUCATION 1, 2, or 3. Credit, 1 quarter hour, to be used toward fulfilling the University requirement in Physical Education. (Can be carried as a recreational course.)

For Men:

First term. Mr. Morris. Hours: 3:00 Monday, Tuesday, Wednesday, Thursday. Gymnasium.

Second term. Mr. Ronman. Hours: 3:00 Monday, Tuesday, Wednesday, Thursday. Gymnasium.

For Women:

First term. Mrs. Beard. Hours: 4:00 Monday, Tuesday, Wednesday, Thursday. Gymnasium.

Second term. Miss Fitzwater. Hours: 3:00 Monday, Tuesday, Wednesday, Thursday. Gymnasium.

This course is designed to teach the various skills and provide participation in a variety of individual and group games. Interests and abilities of students will determine the types of games of low and high organization carried on.

ELEMENTARY SWIMMING.

For Men:

First term. Mr. Morris. Hour: 3:00 daily. Gymnasium pool.

Second term. Mr. Ronman. Hour: 3:00 daily. Gymnasium pool.

For Women:

First term. Mrs. Beard. Hour: 4:00 daily. Gymnasium pool.

Second term. Miss Fitzwater. Hour: 4:00 daily. Gymnasium pool.

Designed for non-swimmers or those who cannot swim more than ten yards.

INTERMEDIATE AND ADVANCED SWIMMING.

For Men:

First term. Mr. Morris. Hour: 3:30 daily. Gymnasium pool.

Second term. Mr. Ronman. Hour: 3:30 daily. Gymnasium pool.

For Women:

First term. Mrs. Beard. Hour: 4:30 daily. Gymnasium pool.

Second term. Miss Fitzwater. Hour: 4:30 daily. Gymnasium pool.

Designed for more advanced swimmers who are interested in the various phases of teaching swimming, types of strokes, diving, life saving, and the various Red Cross tests.

PHYSICS

Courses for Undergraduates

*s24. GENERAL PHYSICS. PART I. Credit, 6 quarter hours. Prerequisite, Freshman Mathematics.

First term. Mr. Shearin. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily. Laboratory, 2:00 to 5:00 Tuesday and Thursday. Phillips 204. Text: Foley, *College Physics*.

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*Physics s24 and s25 together are equivalent to Physics 21-22-23 or to Physics 24-25 of the regular session.

*s25. GENERAL PHYSICS. PART II. Credit, 6 quarter hours. Prerequisite, Freshman Mathematics and Physics s24 or equivalent.

Second term. Mr. Shearin. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily. Laboratory, 2:00 to 5:00 Tuesday and Thursday. Phillips 204. Text: Foley, *College Physics.*

s41ab. ASTRONOMY. Credit, 5 quarter hours.

First term. Professor Fussler. Hours: Lectures 8:00 to 10:00 daily. Phillips 250. Occasional observations with the telescope.

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, and other instruments. Text: Duncan, *Astronomy.*

s45ab. PHOTOGRAPHY. Credit, 3 or 5 quarter hours.

First term. Professor Tiedeman. Laboratory fee, $3.50 or $5.00. Hours: Lectures 12:00 Monday, Wednesday, Friday. Laboratory, Monday, Tuesday, Wednesday, Friday. No prerequisite. Students who wish three hours credit will register for s45a, and will attend only the lectures and the Monday and Wednesday laboratories. One may audit the lectures above, without credit, for a fee of $5.00.

A general course for amateurs, art students, prospective teachers, and others interested in photography. Study of cameras and other photographic equipment. Picture taking, developing, printing, enlarging, portraiture, technique of photographing art objects, composition, color photography. Text: Mees, *Fundamentals of Photography.*

Courses for Graduates and Advanced Undergraduates

s140ab. ELECTRICITY AND MAGNETISM. Credit, 5 quarter hours. Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Second term. Professor Plyler. Hours: 8:00 to 10:00 daily. Phillips 250.

Electrostatics, electrodynamics and magnetic phenomena. Text: Page and Adams, *Principles of Electricity.*

s160ab. ELECTRONICS AND ATOMIC PHYSICS. Credit, 5 quarter hours. Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

First term. Professor Stuhlman. Hours: 8:00 to 10:00 daily. Phillips 255.

Ionization phenomena; the electron and other elementary particles; photo-electric effect, thermionics, isotopes, elementary quantum theory, absorption and emission of radiant energy, Zeeman and Stark effect, X-rays, wave properties of matter, radioactivity. Text: Harnwell and Livingood, *Experimental Atomic Physics.*

Courses for Graduates

s301ab. RESEARCH. Credit, 2½ or 5 quarter hours.

First term. Members of the staff. Hours: to be arranged.

Intended for candidates for advanced degrees. Theoretical or experimental work on a subject approved by the Physics staff. A reading knowledge of German is required.

*Physics s24 and s25 together are equivalent to Physics 21-22-23 or to Physics 24-25 of the regular session.

s302ab. RESEARCH. Credit, 2½ or 5 quarter hours.

Second term. Members of the staff. Hours: to be arranged. (See description for s301ab.)

POLITICAL SCIENCE

Courses for Undergraduates

s51. THE GOVERNMENT OF THE UNITED STATES. Credit, 5 quarter hours.

First term. Professor Robson. Hours: 9:00 and 11:00 daily. Saunders 213.

A general course dealing with national government in the United States.

s86. INTERNATIONAL RELATIONS AND WORLD POLITICS. Credit, 5 quarter hours.

First term. Professor Frazer. Hours: 8:00 and 10:00 daily. Saunders 213.

This course is designed to serve as an introduction to the study of international affairs.

Courses for Graduates and Advanced Undergraduates

s101. PUBLIC ADMINISTRATION. Credit, 2½ quarter hours.

First term. Professor Mauck. Hour: 12:00 daily. Saunders 201.

General problems of public administration. Structural organization, personnel, financial planning and control, administrative legislation and adjudication.

s133. AMERICAN MUNICIPAL ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Woodhouse. Hours: 11:00 to 1:00 daily. Saunders 212.

Special study of the principles and problems of administration in American municipal corporations of such functions as police, public education, charities and correction, local improvements, public health, finances, with emphasis on city and town administration in North Carolina. Each student will select and study exhaustively a municipal problem in one municipality.

s134. COUNTY GOVERNMENT AND ADMINISTRATION. Credit, 2½ quarter hours.

Second term. Professor Wager. Hour: 9:00 daily. Saunders 201.

A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements.

s153. POLITICAL THOUGHT OF THE EIGHTEENTH CENTURY. Credit, 5 quarter hours.

Second term. Professor Pierson. Hours: 11:00 to 1:00 daily. Saunders 212.

An analysis of the development of liberal and democratic political thought, with emphasis on the ideas of the American and French Revolutions.

s154. DEVELOPMENT OF THE ENGLISH CONSTITUTION. Credit, 2½ quarter hours.

Second term. Professor Wagstaff. Hour: 9:00 daily. Saunders 315.

A general course surveying the origin and development of the constitutional machinery of the British monarchy.

s155. THE CONSTITUTION OF THE UNITED STATES. Credit, 5 quarter hours.

Second term. Professor Jenkins. Hours: 8:00 to 10:00 daily. Saunders 212.

A course in constitutional law covering by means of lectures, textbooks, and cases the fundamental principles of constitutional interpretation and practice in the United States.

s158. HISTORICAL JURISPRUDENCE. Credit, 2½ quarter hours.

First term. Professor Woodhouse. Hour: 10:00 daily. Saunders 212.

Anglo-American law; historical study of the development of English law, legislation, courts, and court procedure from the Anglo-Saxon Conquest of England to the settlements in North America by the English; and of the evolution of the legal system in these English colonies and in the United States to the present day.

s181. RECENT NATIONAL POLICY AND ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Mauck. Hours: 8:00 to 10:00 daily. Saunders 201.

Background, description, and evaluation of the policies and administrative methods of the Federal Government since 1929.

Courses for Graduates

s235. THE JUDICIAL PROCESS. Credit, 2½ quarter hours.

Second term. Professor Jenkins. Hours by arrangement.

A course treating of the structure, practice, and theory of the judicial branch of governments in the British Empire and the United States.

s241. INTERNATIONAL LAW. Credit, 2½ quarter hours.

First term. Professor Frazer. Hours by arrangement.

The materials of international law will be examined. Leading cases, treaties, and international legislative acts constitute the subjects of study.

s341. SEMINAR COURSE. Credit, 5 quarter hours.

Both terms. First term: Professor Robson. Second term: Professor Pierson. Hours by arrangement.

A research course in a special field under the direction of a member of the department.

PSYCHOLOGY

Courses for Undergraduates

s24. GENERAL PSYCHOLOGY. (First half.) Credit, 6 quarter hours.

First term. Professor Bayroff. Laboratory fee, $3.00. Hours: 8:00 and 10:00 daily, and others arranged. New West 101 and 110.

The essential phenomena of human nature, with emphasis upon the experimental approach. Eight lecture and eight laboratory and demonstration hours a week.

s25. GENERAL PSYCHOLOGY. (Second half.) Credit, 6 quarter hours.

Second term. Professor Wherry. Laboratory fee, $3.00. Hours: 8:00 and 10:00 daily, with others arranged. New West 101 and 110.

A continuation of Psychology s24. [Both s24 and s25, or equivalents, must be taken to complete credit in either.]

N.B. Courses s24 and s25, or equivalents, are prerequisite to all other courses in the department.

Courses for Graduates and Advanced Undergraduates

s104a. ADVANCED GENERAL PSYCHOLOGY. Credit, 2½ quarter hours.

First term. Professor Crane. Hour: 9:00 daily. New West 102.

A systematic but critical survey of the general field. (First half.)

s104b. ADVANCED GENERAL PSYCHOLOGY. Credit, 2½ quarter hours.

Second term. Professor Wherry. Hour: 11:00 daily. New West 207.

A systematic but critical survey of the general field. (Second half.) [s104a and s104b may be taken independently.]

s130. ELEMENTARY STATISTICS. Credit, 5 quarter hours.

First term. Professor Wherry. Laboratory fee, $1.00. Hours: 8:00 to 10:00 daily. New West 207.

Distribution, reliability, and simple correlation. Training in use of statistical machines. Stress on proper applications to psychological and educational problems.

s140. PSYCHOLOGY OF PERSONALITY. Credit, 5 quarter hours.

First term. Professor Bagby. Hours: 10:00 to 12:00 daily. New West 102.

Emphasis upon emotional reactions as sources of motivation, and methods of training and retraining the various types of emotional reactions.

s144. MENTAL HYGIENE. Credit, 5 quarter hours.

First term. Professor Crane. Hours: 11:00 to 1:00 daily. New West 207.

Genetic study of sources of faulty and adequate behavior; with applications to problems of social case workers, also of parents and educators.

s190. HISTORICAL AND CONTEMPORARY PSYCHOLOGICAL TRENDS. Credit, 5 quarter hours.

Second term. Professor Dashiell. Hour: 9:00 to 11:00 daily. New West 207.

A historical survey, through the 19th Century, is followed by readings in leading schools of the 20th century.

Courses for Graduates

s201a. EXPERIMENTAL PSYCHOLOGY. Credit, 2½ quarter hours.

First term. Professor Bayroff. Laboratory fee, $2.00. Hours 2:00 to 4:00 daily. New West 210.

A training course in the technique of psychological experimentation and research.

s201b. EXPERIMENTAL PSYCHOLOGY. Credit, 2½ quarter hours.

Second term. Professor Dashiell. Laboratory fee, $2.00. Hours: 2:00 to 4:00 daily. New West 210.

A continuation of s201a. [s201a and s201b may be taken independently.]

s251a. RESEARCH IN PSYCHOLOGY. Credit, 2½ quarter hours.

First term. Departmental staff. Laboratory fee, $2.00. Hours: to be arranged.

s251b. RESEARCH IN PSYCHOLOGY. Credit, 2½ quarter hours.

Second term. Departmental staff. Laboratory fee, $2.00. Hours: to be arranged.

PUBLIC WELFARE AND SOCIAL WORK

Courses for Graduates and Advanced Undergraduates

s160a. INTRODUCTION TO SOCIAL WORK. Credit, 5 quarter hours.

First term. Professor Sanders. Hours: 8:00 to 10:00 daily. Alumni 212.

Essentially a pre-professional course for social work students, giving a bird's eye view of the whole field of social work, with a brief discussion of its history, nature, purpose, scope, and present trends. Primary emphasis is placed upon methods of treatment of the socially maladjusted, such as the aged poor, the physically handicapped, those suffering from mental disease or deficiency, the delinquent, and the criminal. Special clinics and institutional visits are arranged to supplement classroom work.

s198a. DIAGNOSIS OF JUVENILE DELINQUENCY. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 11:00 daily. Alumni 109.

After a brief historical background this course traces the development of case study and diagnosis of juvenile delinquency through various approaches including the environmental, biological, psychological, psychiatric, sociological, anthropological, psychoanalytic, and the bio-chemical. Considerable attention is devoted to current methodology in this field in an attempt to evaluate major causative factors in delinquency.

Courses for Graduates

s209ab. THE BACKGROUND AND PHILOSOPHY OF FAMILY CASE WORK. Credit, 5 quarter hours.

Both terms. Professor Carter. Hour: 10:00 daily. Alumni 109.

A discussion of social case work, generic and specific; its meaning and development, scope, changing concepts; application to the different fields of social work.

s210ab. FAMILY CASE WORK. Credit, 5 quarter hours.

Both terms. Professor Carter. Hours: Monday and Wednesday 2:00 to 4:00. Alumni 102.

A course in the technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment.

s211ab. ADVANCED FAMILY CASE WORK. Credit, 5 quarter hours.

Both terms. Professor Carter. Hours: Tuesday and Thursday, 2:00 to 4:00. Alumni 212.

s214ab. RESOURCES FOR TREATMENT. Credit, 5 quarter hours.

Both terms. Professor Lawrence. Hour: 8:00 daily. Alumni 109.

Discussion of resources for treatment in case work, with especial emphasis upon public welfare activities in rural and small town areas; includes the study of special facilities for treatment of various types of cases, the social legislation involved, and actual working procedure.

s215ab. CASE WORK PRACTICE I. Credit, 5 quarter hours.

Both terms. Miss Dodd. Special fee, $10.00. Hours: to be arranged. Alumni 106.

Supervised field work. A minimum of fifteen hours work a week.

s216ab. CASE WORK PRACTICE II. Credit, 5 quarter hours.

Both terms. Professor Lawrence and Miss Dodd. Hours: to be arranged. Alumni 106. Special fee, $10.00.

A continuation of s215. A minimum of fifteen hours work a week.

s217ab. CASE WORK PRACTICE III. Credit, 5 quarter hours.

Both terms. Professor Lawrence and Miss Dodd. Special fee, $10.00. Hours: to be arranged. Alumni 106.

The aim in this course is to give the student supervised work under conditions that approximate those in a well-ordered but not elaborate public social agency. A minimum of fifteen hours work a week.

s230a. PROBATION. Credit, 2½ quarter hours.

First term. Professor Brown. Hour: 9:00 daily. Alumni 109.

A study of probation as a method of treatment for adult delinquents.

s231a. PAROLE. Credit, 2½ quarter hours.

Second term. Professor Brown. Hour: 12:00 daily. Alumni 212.

Parole in the treatment of adult offenders against the law.

s244ab. MENTAL HYGIENE. (Same as PSYCHOLOGY s144.) Credit, 5 quarter hours.

First term. Professor Crane. Hours: 11:00 to 1:00 daily. New West.

s262ab. PUBLIC WELFARE ADMINISTRATION. Credit, 5 quarter hours.

Both terms. Professor Brown. Hours: Tuesday and Thursday 4:00 to 6:00. Alumni 212.

The development of public welfare administration in the United States. Types of state and local organizations.

s263a. PUBLIC ASSISTANCE. Credit, 2½ quarter hours.

First term. Professor Brown. Hour: 11:00 daily. Alumni 212.

A study of public relief to the poor and other handicapped groups, including those affected by the National Social Security Act.

ROMANCE LANGUAGES

French

Courses for Undergraduates

*s3. INTERMEDIATE FRENCH. Credit, 3 quarter hours.
First term. Mr. Creech. Hours: 8:00 and 12:00 daily (including Saturday). Murphey.

**s21-22. ADVANCED FRENCH. Credit, 10 quarter hours. Prerequisite, Intermediate French.
Through both terms. First term: Mr. Engstrom. Second term: Mr. Whichard. Hours: 9:00 and 11:00 daily. Murphey.
A survey of French Literature with selected readings from representative authors.

s55. REVIEW OF GRAMMAR AND SYNTAX. Credit, 5 quarter hours.
First term. Professor Giduz. Hours: to be arranged. Murphey.
This course is primarily for teachers, and is open to juniors and seniors who intend to teach French. It consists of an intensive review study of the elements and fundamentals of French grammar and syntax. Before registering for this course, students must secure the permission of the instructor.

Courses for Graduates and Advanced Undergraduates

s172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. Credit, 5 quarter hours. Prerequisite, French 72.
Through both terms. First term: Professor Huse. Second term: Professor Searles. Hours: to be arranged. Murphey.

s192. FRENCH LITERATURE SINCE 1850. Credit, 5 quarter hours. Prerequisite, French 72.
Through both terms. First term: Professor Huse. Second term: Professor Searles. Hour: 10:00 daily. Murphey.

Courses for Graduates

s221. OLD FRENCH. Credit, 5 quarter hours.
Through both terms. Professor Holmes. Hour: 2:00 daily. Murphey.

s225. PROVENCAL. Credit, 5 quarter hours.
Through both terms. Professor Holmes. Hour: 12:00 daily. Murphey.

s395. RESEARCH. Credit, 5 quarter hours.
Through both terms. Professors Holmes, Huse, and Searles. Hour: to be arranged. Murphey.
Research in a special field.

* The third part of French 1-2-3 as given in the regular session.
** If a student takes this course for only one term of the Summer Session, he must take French 22 and French 23 in the regular session or French s22 in some later summer term, in order to fulfill the requirement of Advanced French.

Spanish

Courses for Undergraduates

*s3. INTERMEDIATE SPANISH. Credit, 3 quarter hours.

First term. Mr. McKnight. Hours: 8:00 and 12:00 daily, including Saturday. Murphey.

**s21-22. ADVANCED SPANISH. Credit, 10 quarter hours. Prerequisite, Intermediate Spanish.

Through both terms. First term: Mr. Weaver. Second term: Mr. Hayes. Hours: 9:00 and 11:00 daily. Murphey.

Courses for Graduates and Advanced Undergraduates

s109. EARLY SPANISH PROSE FICTION. Credit, 5 quarter hours. Prerequisite, Spanish 72.

Through both terms. Professor Stoudemire. Hour: 9:00 daily.

s131. LOPE DE VEGA AND HIS CONTEMPORARIES. Credit, 5 quarter hours. Prerequisite, Spanish 72.

Through both terms. Professor Stoudemire. Hour: 12:00 daily.

Course for Graduates

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. Professor Stoudemire. Hour: to be arranged. Research in a special field.

RURAL SOCIAL-ECONOMICS

Courses for Undergraduates

s51. RURAL ECONOMICS. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 9:00 daily.

A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South.

s71. RURAL SOCIOLOGY. Credit, 2½ quarter hours.

Second term. Professor Wager. Hour: 11:00 daily.

Introduction to rural sociology, with some emphasis on rural social conditions and problems in North Carolina and the South.

Courses for Graduates and Advanced Undergraduates

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 10:00 daily.

This course is designed to familiarize the student with North Carolina: natural resources, population, agriculture, social conditions, economic conditions, industry, wealth, taxation, education, public health, and public welfare.

s101b. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

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* The third part of Spanish 1-2-3 as given in the regular session.

** If a student takes this course for only one term of the Summer Session, he must take Spanish 22 and Spanish 23 in the regular session or Spanish s22 in some later summer term, in order to fulfill the requirement of Advanced Spanish.

First term. Professor Hobbs. Hour: 11:00 daily.
This course is the continuation of 101a and may be taken by any student who has previously taken the first half of this course either in residence or Extension, or by those registered for s101a, or may be taken separately.

s110. RURAL LAND ECONOMICS. Credit, 2½ quarter hours.
Second term. Professor Wager. Hour: 10:00 daily.
This is an introductory course to the broad field of land economics, with special attention given to farm and forest land resources, utilization, and conservation in the United States.

s134. COUNTY GOVERNMENT AND ADMINISTRATION. Credit, 2½ quarter hours.
Second term. Professor Wager. Hour: 9:00 daily.
A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, with special emphasis on present conditions and tendencies and on possible improvements. Lectures and readings.

Courses for Graduates

s311. RURAL SOCIOLOGY. Credit, 5 quarter hours.
Through both terms. Professor Hobbs. Hours: to be arranged.
Reading and Research.

SOCIOLOGY

Courses for Undergraduates

s51ab. INTRODUCTION TO SOCIOLOGY. Credit, 5 quarter hours.
First term. Mr. Evans. Hours: 8:00 and 10:00 daily.
A study of social origins, contemporary society, geographical, biological, and psychological forces in society, and the elements of social theory.

s52ab. SOCIAL PROBLEMS. Credit, 5 quarter hours.
Second term. Mr. Evans. Hours: 8:00 and 10:00 daily.
A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. A study of such questions as race, immigration, the family, and the community.

Courses for Graduates and Advanced Undergraduates

s151a. SOCIAL ANTHROPOLOGY. Credit, 2½ quarter hours.
Second term. Professor Johnson. Hour: 8:00 daily.
A general course in social anthropology with special attention to the nature of culture, cultural processes, modern cultural environment, and social change.

s152ab. SOCIAL THEORY. Credit, 5 quarter hours.
First term. Professor Vance. Hours: 9:00 and 11:00 daily.
A survey of the range of contemporary social theory with preliminary consideration of historical backgrounds.

s181a. REGIONAL SOCIOLOGY OF THE SOUTH. Credit, 2½ quarter hours.
First term. Professor Brooks. Hour: 11:00 daily.
An introductory study of southern regions, land and people, based

upon *Southern Regions of the United States* and its *Manual.* Emphasis is given to facts, factors, and policies pertaining to geography and culture, resources and waste.

s185ab. THE NEGRO. Credit, 5 quarter hours.

Second term. Professor Johnson. Hours: 9:00 and 11:00 daily.

A study of the American Negro with attention to historical and cultural backgrounds in Africa and America, development since emancipation, bi-racial system, and problems of race relations.

s186a. POPULATION. Credit, 2½ quarter hours.

First term. Professor Vance. Hour: 12:00 daily.

A study of problems of quality and quantity of population including theories of population increase and problems of migration and eugenics.

s192ab. CRIME. Credit, 5 quarter hours.

First term. Professor Brooks. Hours: 8:00 and 10:00 daily.

Criminology and penology; the study of historical and contemporary theory and practice.

Courses for Graduates

s210a. FOLK SOCIOLOGY. Credit, 2½ quarter hours.

First term. Professor Odum. Hour: 12:00 daily.

A study of folk-regional society and of natural societal evolution in contrast to modern technology. The primary basis of the course will be concrete materials related to folk attitudes and cultures, ranging from primitive folklore and folk wisdom to regional culture patterns. The chief objective is an attempt to seek certain contributions to social theory as related to the building of cultures.

s212ab. CONTEMPORARY AMERICAN SOCIOLOGISTS. Credit, 5 quarter hours.

First term. Professor Odum. Hours: 4:00-6:00 daily.

This course will present a general survey of the work and personalities of living American sociologists projected on the background of the sociology of Franklin Henry Giddings.

ZOÖLOGY

Courses for Undergraduates

s41. FUNDAMENTALS OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

First term. Professor Reynolds. Laboratory fee, $5.00. Hours: Lectures, 8:00 daily (including Saturdays), and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F.

Principles of Biology; elements of anatomy, physiology of vertebrate animals, and studies of tissues, as necessary for an understanding of the organization and functioning of vertebrate animals and especially man.

s42. PRINCIPLES OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

Second term. Professor Taylor. Laboratory fee, $5.00. Hours: Lectures, 8:00 daily (including Saturdays), and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F.

Basic facts and theories of individual development, heredity and

evolution; introduction to structure and classification of invertebrate animals; one or two field trips for observing and collecting animals in nature.

Courses for Graduates and Advanced Undergraduates

s103. COMPARATIVE ANATOMY OF VERTEBRATE ANIMALS. Credit, 5 quarter hours.

First term. Mr. Engels. Laboratory fee, $7.50. Hours: two consecutive forenoon hours, to be arranged between instructor and students, and 2:00-4:00 daily.

Dissection of types, especially amphioxus, petromyzon, fish, fowl, rabbit.

s104. EMBRYOLOGY. Credit, 5 quarter hours.

Second term. Mr. Culbertson. Laboratory fee, $5.00. Hours: two consecutive forenoon hours, to be arranged between instructor and students, and 2:00-4:00 daily.

PART III—SPECIAL FEATURES

In addition to the courses of instruction announced in Part II of this Bulletin the Summer Session of 1938 will sponsor a general program of entertainment, recreation, lectures, and conferences. These special features can not be announced in complete detail at this time. More specific announcements concerning them will be given from week to week. Some of these attractions for which preliminary arrangements have been made are as follows:

A program of Social activities and week-end dances will be conducted by the Social Committee.

The Department of Music will put on a series of faculty and student recitals.

Carolina Playmakers

The Carolina Playmakers as in previous summers will present a professional play and Experimental Productions of new plays written in the summer playwriting course in their Playmakers Theatre on the University campus. Summer school students interested in dramatics will have an opportunity to take part in these productions as actors and also in designing and construction of the scenery, costuming, lighting and make-up of the productions. The plays to be presented and the dates on which they will be given will be announced later.

Institute on Public Welfare

Among the special features for the Summer School may be listed the summer Institute on Public Welfare under the joint auspices of the State Board of Charities and the Public Welfare and Social Work Division of the University of North Carolina. This annual institute has been held since 1920 and brings together a large number of social workers, superintendents of public welfare, and visiting specialists.

Courses in Nursing Education

The Department of Education and the Extension Division of the University are coöperating with the North Carolina State Nurses Association in offering courses in Nursing Education during the first term of the Summer Session, June 13

to July 23. The courses will be available to graduate nurses interested in preparation for positions as instructors and supervisors in schools of nursing. Credit toward an undergraduate degree may be earned upon the completion of these professional courses. Nurses may also register for a limited number of other courses offered in the Summer Session. Information concerning registration and courses may be secured through the University Extension Division.

Eleventh Annual Parent-Teacher Institute (August 8-12)

The Extension Division, in coöperation with the North Carolina Congress of Parents and Teachers, will hold at Chapel Hill during the period August 8-12, inclusive, the eleventh annual Parent-Teacher Institute. Summer Session students are invited to attend and may secure information from R. M. Grumman, 307 South Building, Chapel Hill, N. C.

Seventeenth Annual Coaching School For Athletic Directors and Coaches (August 15-27)

The seventeenth annual coaching school for athletic directors and coaches will be conducted at Chapel Hill from August 15 until August 27. Instruction will be given in the coaching of football, basketball, baseball, track, boxing, and wrestling, and in training and conditioning. Robert A. Fetzer, Director of Athletics at the University of North Carolina, will serve as director of the school and the various members of the University's regular coaching staff will serve as instructors. Information concerning the school may be secured from E. R. Rankin, Secretary, 309 South Building.

Campus Life Program

The program of Campus Attractions is the product of the Summer Social Committee, Music Department, Graham Memorial (Student Union), Carolina Playmakers, Athletic Association, Extension Division, Bull's Head (Book Shop), and numerous individuals. The Summer Social Committee, with offices in the YMCA building, is the coördinating and promoting committee for the attractions program. An effort is made to meet the cultural, spiritual, social, and recreational needs of all types of personalities in the Summer Session.

The YMCA building, with its lounges and committee rooms, information office, self-help office, book store, 'phone service,

etc., is the center of program promotion. Graham Memorial (Student Union), equipped with parlors, social halls, billiard parlor, bowling alleys, and other games, is the social center of the campus. Both of these centers are staffed with full-time secretaries whose business it is to serve the individual and group needs of summer students and their friends.

Among the facilities for recreation students will find billiards, bowling, shuffle board, ping-pong, checkers, chess, bridge, tennis, baseball, soft ball, horse shoes, horse-back riding, and miles of wooded trails for walking. The facilities of the new Gymnasium, with one of the largest swimming pools in the nation, will be ready and open to summer students. In addition to regular swimming periods, open to all students, special swimming instruction will be available. For the entertainment of students there will be many teas and parties—large and small, formal and informal—numerous public attractions, two or more dances each week in the Gymnasium, constant use of Graham Memorial parlors for informal gatherings and the weekly amateur program, out-door parties, and Sunday evening concerts in the Stadium.

The cultural and educational program presents numerous musical concerts and recitals by both local and professional artists, frequent dramatic performances by the Carolina Playmakers and professional talent, a series of conferences and institutes on social and economic topics, and a schedule of informal lectures throughout the summer in such fields as World, National, and State Affairs, Literature, Drama, Music, Art, Philosophy, Psychology, Sociology and Economics, Government, and Religion.

To serve the religious needs and interests of the University community there is a daily organ vesper service of sacred music. There are in the village seven organized religious denominations—Baptist, Catholic, Episcopal, Jewish, Methodist, Presbyterian, and United (Christian-Congregational)—with their customary weekly program of services and other features.

This program of campus and community life is set up primarily with respect to the tastes and needs of students in the Summer Session. Students play a prominent part in the selection of talent and determination of the nature of programs. There is a special committee of students in each dormitory for this purpose.

It is also called to the attention of students that Student Self-government plays an important role in the life of the Summer Session. In the opening week of school there will be organized a Men's Council and a Woman's Council. Matters of discipline rest almost exclusively with these two Councils.

A calendar of daily events will be published before the first term opens, showing the schedule of public attractions which have been planned to meet the personal and individual needs of the student body and faculty.

Visual Education

Several times a week throughout the Summer Session educational films will be presented in Memorial Hall free of admission charge. Public school teachers and others interested in visual education will in this way be given an opportunity to view a large variety of educational films. Instruction and demonstration of the operation of moving picture projectors will also be provided for those interested.

Special Announcements in Music

All-State High School Music Course

The Extension Division in coöperation with the Music Department of the University of North Carolina at Chapel Hill will offer during the first term of the Summer Session, from June 13th to July 23rd, an All-State High School Music course which will be open to all high school band and orchestra players.

In addition to daily rehearsals of the All-State High School Band and Orchestra, students will be enrolled in music theory and appreciation classes and will also receive individual lessons and training in ensemble. Concerts, recitals, sports, and social recreation complete the list of activities which are planned and supervised by a competent and experienced staff.

Enrollment is open to any high school student or graduate of the current year upon recommendation of his school superintendent and music supervisor. Membership is not contingent upon participation in music contests, although special attainments in any field are taken into account in the selection of members. The cost of the complete All-State Music Course has been reduced to the absolute minimum and a single fee of fifty-five dollars ($55.00) covers board, room, and tuition for the six weeks course.

Courses will be offered for music supervisors and teachers having to do with the organization and direction of high school bands and orchestras. See especially the courses Music s4, s14, s71, sF, and Education s179a. Professor Slocum will be in general charge of the project. The staff will include Dr. Glen Haydon, Head of the Department of Music, U. of N. C.; Walter H. Bloch, Supervisor of Instrumental Music, Flint Public Schools, Flint, Michigan; J. Harris Mitchell, Supervisor of Instrumental Music, Durham Public Schools, Durham, N. C.; Herbert R. Hazelman, Supervisor of Instrumental Music, Greensboro Public Schools, Greensboro, N. C.; Elizabeth Wilson Mitchell, Instrumental Teacher, Durham Public Schools, Durham, N. C.

School officials receiving this announcement are invited to recommend several outstanding students in each of the special fields of band and orchestra for membership in the 1938 All-State High School Music Organization. Recommendations or inquiries should be addressed to the Extension Division, The University of North Carolina, Chapel Hill, N. C.

Teachers' Training Course in Creative Music Materials and Methods

The Extension Division in coöperation with the Music Department of the University of North Carolina at Chapel Hill will offer during the second term of the Summer Session from July 25 to August 31 a teacher's training course in Creative Music Materials and Methods for Children. This course, which will be given under the direction of Mrs. Adeline McCall, is primarily designed for private teachers of music. It will be devoted to the study of the teaching of music fundamentals for children of all ages, beginning with the pre-school group. It will cover such subjects as teaching materials, bibliography, individual and class piano methods, rhythmics, songs, rhythm band, ensemble playing, conducting, and creative work. There will be round-table discussions, individual conferences, and special demonstration classes of children. Students will have the privilege of observing these classes and of doing experimental teaching under supervision. Registration fee—$21.75. (This course is open to regular summer session students at the usual course fee—$6.75.) In connection with this work, free instruction will be available to a limited number of pupils of pre-school age, 4 to 6 years, and older children, 6 to 14 years. Application for admission should be made as early as possible.

Material in this course will be organized so that those who are unable to attend for the six weeks period may take one or two shorter courses of two weeks each. There will be two of these—one from July 25 to August 6, the other from August 8 to August 20. The first course will be devoted to pre-school materials and methods, the second to materials and methods for older children. Fee for either Part 1 or Part 2 of the course, $15.00.

For further details write for the special announcement. Address all communications to the Extension Division, University of North Carolina, Chapel Hill, N. C.

Summer Session Chorus

A special feature of the Summer Session will be the chorus which will meet daily at 5:00 P.M. for an hour of informal singing under the leadership of Mr. W. P. Twaddell, Director of Music in the Durham, N. C., Public Schools, in the first term, and of Professor John E. Toms, Assistant Professor of Music in the University and Director of the Glee Clubs and the Chapel Hill Choral Club, in the second term.

Organ and Vocal Recitals

During the second term there will be a series of organ recitals by Professor Jan Philip Schinhan and vocal recitals by Professor John E. Toms.

Body Training and the Dance

Phoebe Barr, formerly the Dance Director of the Carolina Playmakers, will be in Chapel Hill during the summer of 1938 and will teach classes in the dance and in body training. These classes will be of special interest to public school teachers and to students of the drama. Mrs. Barr was a Denishawn Dancer for four years and has studied in the Wigman School and with Humphrey-Weidman. She assisted Miriam Winslow in the summer of 1937 and since then has been connected with the Metarie Park Country Day School in New Orleans. Mrs. Barr describes the classes which she plans to hold in Chapel Hill next summer as follows: one, especially designed for teachers working in secondary schools, is to be a practical survey of fundamentals in rhythms and dance for children; the other,

specifically planned for students of the drama, will give particular attention to the handling of group movement in the production of plays, dealing mainly with the theory and practice in body training for work in the theatre. Mrs. Barr's classes will be offered independently and will not carry any academic or professional credit.

The Carolina Institute of International Relations

The University of North Carolina is coöperating with the American Friends Service Committee in conducting a ten-day Institute of International Relations at Chapel Hill, June 13-22. The program will include such timely topics of discussion as: *The Economic Aspects of International Relations; The European Situation; The Situation in the Orient; The Foreign Policy of the United States; The Spiritual and Ethical Aspects of World Peace.*

Lecturers and discussion leaders of national and international prominence will appear on the program. Summer session students will be admitted to the evening lectures without charge. A copy of the printed announcement of the Institute may be obtained from the University Extension Division, Room 307 South Building, Chapel Hill.

Special Announcement in Dramatic Art

A Summer Course for High School Students

A six weeks course in dramatic art for high school students will be offered at the University of North Carolina, Chapel Hill, by the Extension Division in coöperation with the Department of Dramatic Art. The dates for this special session will coincide with the dates for the first term of the regular Summer Session, June 13 to July 23.

Any high school student or graduate of the current year is eligible for enrollment. By special arrangement with the State Department of Public Instruction, one unit of dramatic art credit (an English elective) will be granted for the successful completion of the work offered. This unit of credit will be recognized by any high school in North Carolina and may be applied toward a high school diploma.

A carefully planned program of classroom instruction and laboratory work will provide training in acting, voice and diction, choral reading, pantomime, make-up, costuming, body training, appreciation of dramatic literature, scenic design and

construction, stage lighting, and playwriting. Practical experience will be afforded each student through rehearsal and performance of a number of one-act plays. Those enrolled in the school will also be encouraged to participate in the experimental productions of original plays written in Professor Koch's playwriting course (Dramatic Art s155). A full-length public production will climax the work of the high school course.

A single enrollment fee of fifty-five dollars ($55.00) covers board, room, tuition, hospitalization, and entertainment.

The staff will include Dr. Frederick H. Koch, Head of the Department of Dramatic Art, University of North Carolina, who will act as consultant and lecturer; John W. Parker, State Representative of the Bureau of Community Drama, Chapel Hill, in general charge of the special session; Ruth V. Everett, President of the Carolina Dramatic Association, Seaboard, N. C.; C. M. Edson, Instructor in Dramatic Art, Rocky Mount, N. C., High School; Katherine Gaston, Instructor in Dramatic Art, Lenoir, N. C., High School. Guest lecturers will include Professor Paul Green, playwright, Chapel Hill; Dr. J. Henry Highsmith, Director of the Division of Instructional Service, State Department of Public Instruction; Professor Harry Davis, Technical Director for The Carolina Playmakers; and Ora Mae Davis, Dance Director for The Carolina Playmakers.

School officials are invited to recommend outstanding students in the field of dramatic art for enrollment in the High School Summer Course. Recommendations or inquiries should be addressed to John W. Parker, Director, Dramatic Art Summer Course for High School Students, Chapel Hill, N. C.

North Carolina State College of Agriculture and Engineering

of the

University of North Carolina

Raleigh

Summer Session

June 13—July 22, 1938

The twenty-fourth summer session of North Carolina State College of Agriculture and Engineering of the University of North Carolina will open on Monday, June 13, and close on Friday, July 22.

The distinctive work of the State College Summer Session will be Agricultural, Engineering, Forestry, Textile, and Vocational Education. Many of the courses of instruction in the fields of languages, pure science, and humanities, which are prerequisite for courses in technology, will also be offered. The emphasis, however, will be placed upon instruction in technical fields.

Expenses

Room Rent (single room)	$10.00
Room Rent (two in a room)	7.50
Board at College Cafeteria (estimated)	30.00
Registration fee	3.00
Course fee (for each quarter hour credit)	3.00
Medical fee	1.00
Laboratory fee (Surveying course)	2.00

For summer session catalogue and additional information, write:

W. L. Mayer, *Director of Registration*
State College Station
Raleigh, N. C.

THE WOMAN'S COLLEGE

OF

THE UNIVERSITY OF NORTH CAROLINA

GREENSBORO, N. C.

FIRST SESSION: JUNE 8 TO JULY 16, 1938

SECOND SESSION: JULY 18 TO AUGUST 26, 1938

The chief purpose of the Summer Session is to serve students and teachers of North Carolina to the greatest possible extent at the least possible cost.

Distinctive features of the Summer Session at the Woman's College are:

1. Courses in elementary and high school education.
2. Graduate work in Home Economics and Business Education.
3. New courses in Art.
4. Regular and special courses in Music.
5. Observation and Nursery School.
6. Conferences in Home Economics, Education, and Art.
7. Placement service without charge.
8. Social and recreational program under trained leadership.

Courses will be offered for college students who wish to advance their standing or make up work.

Expenses are as follows:

Fees and charges	$20.00
Board, room, and laundry	33.00
	$53.00

For further information write:

Dean W. C. JACKSON,
The Woman's College,
Greensboro, N. C.